

Figure 1

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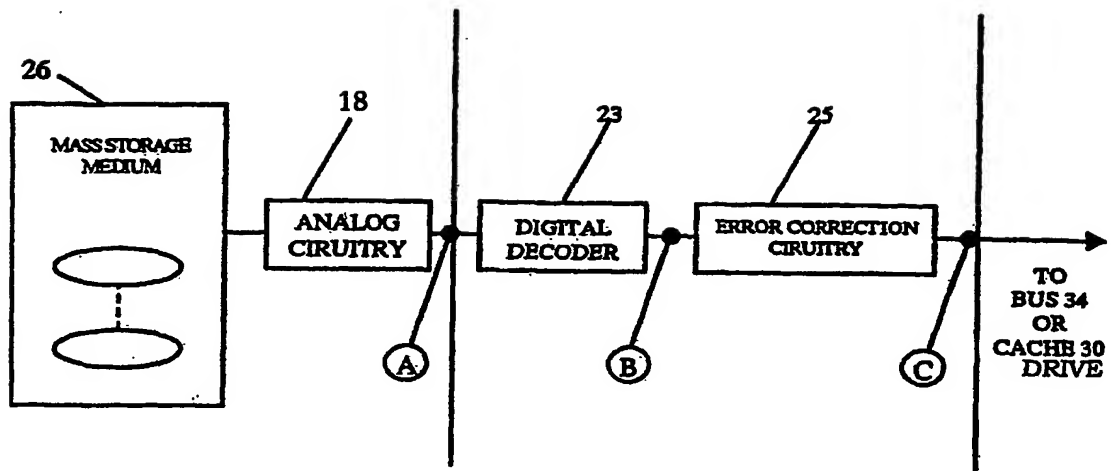


Figure 2

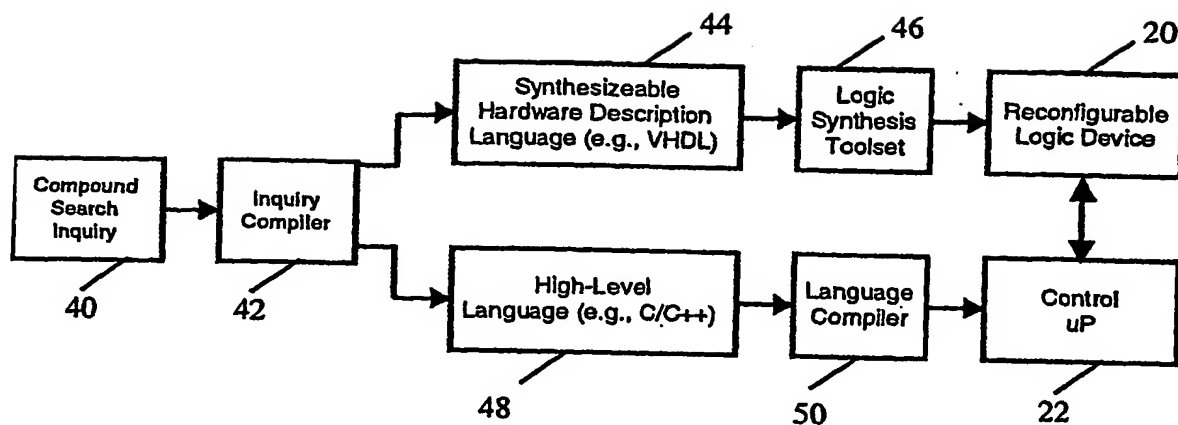


Figure 3

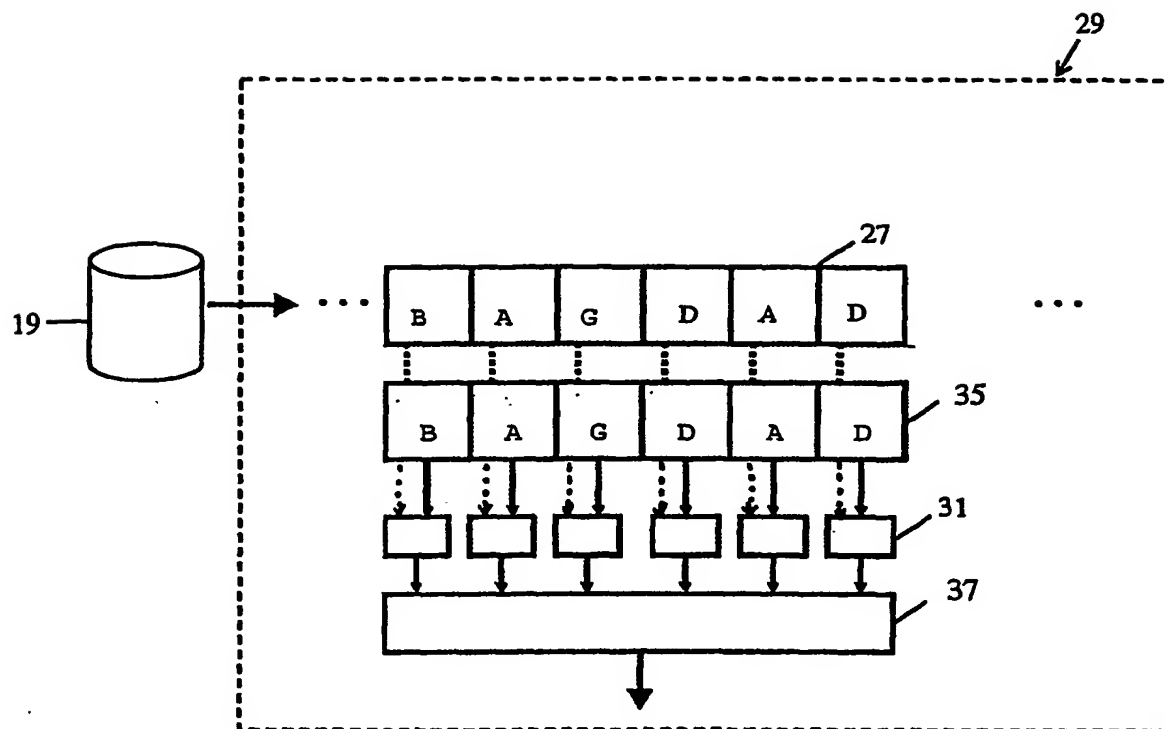


Figure 4

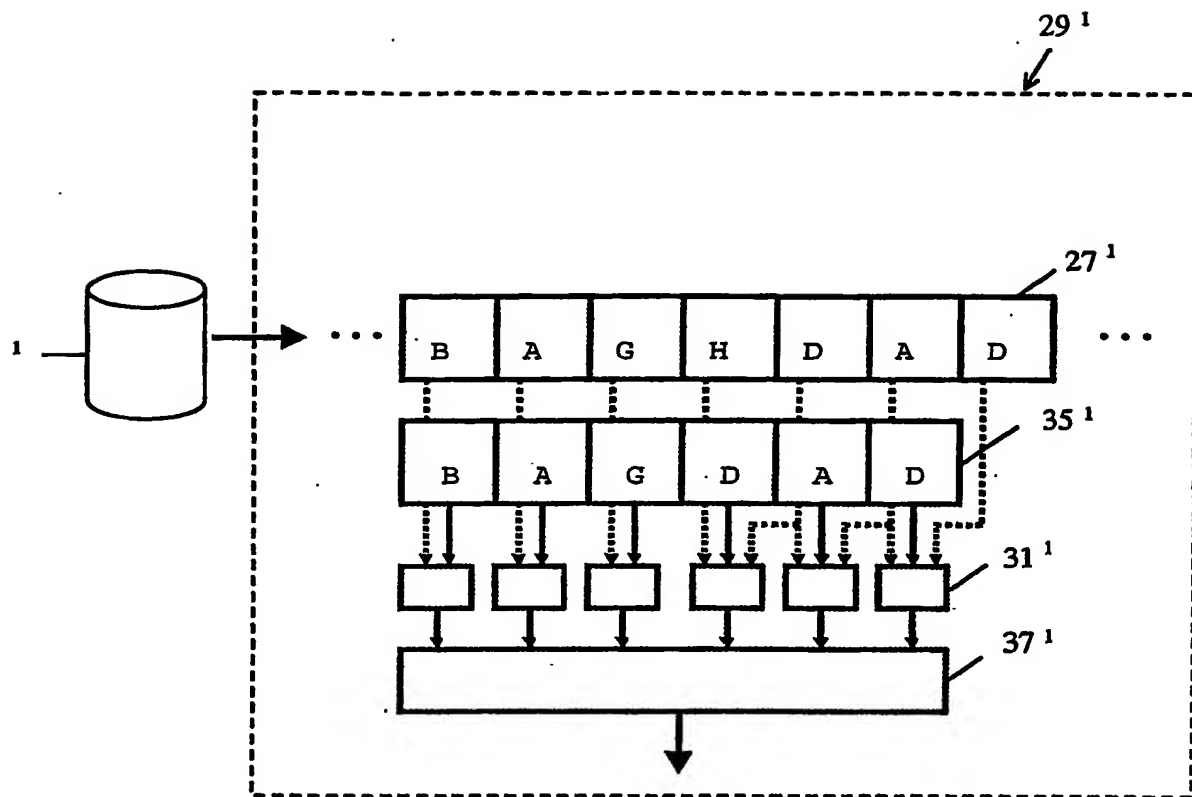


Figure 5

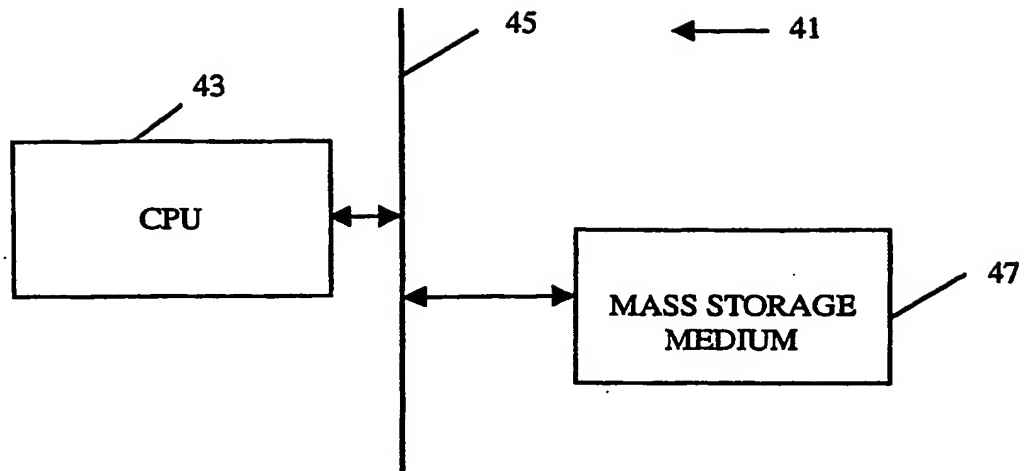


Figure 6

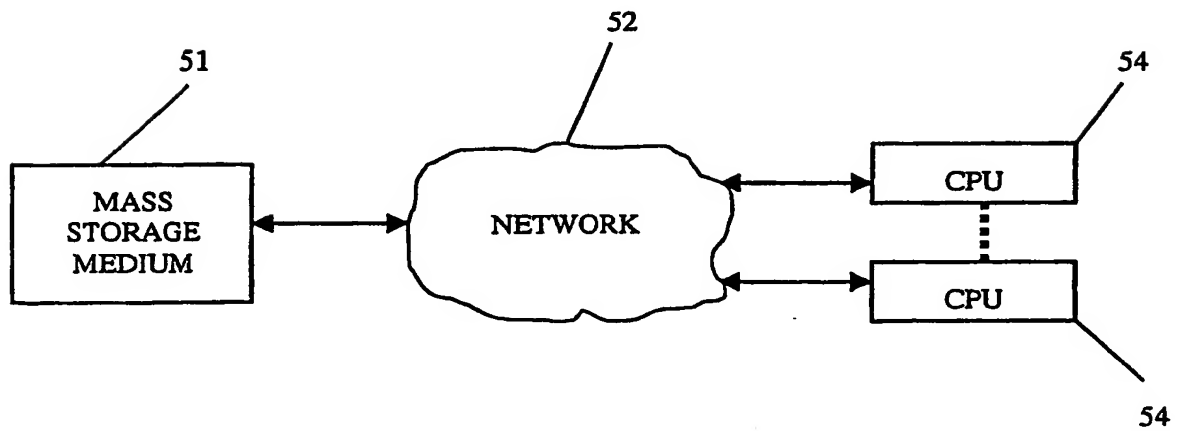


Figure 7

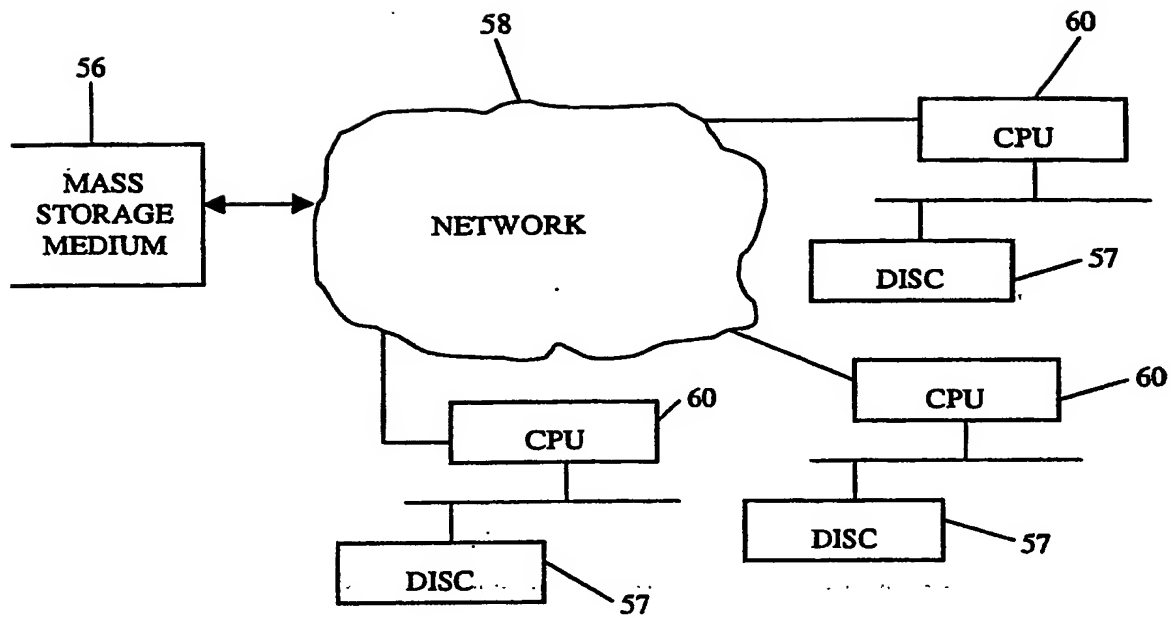


Figure 8

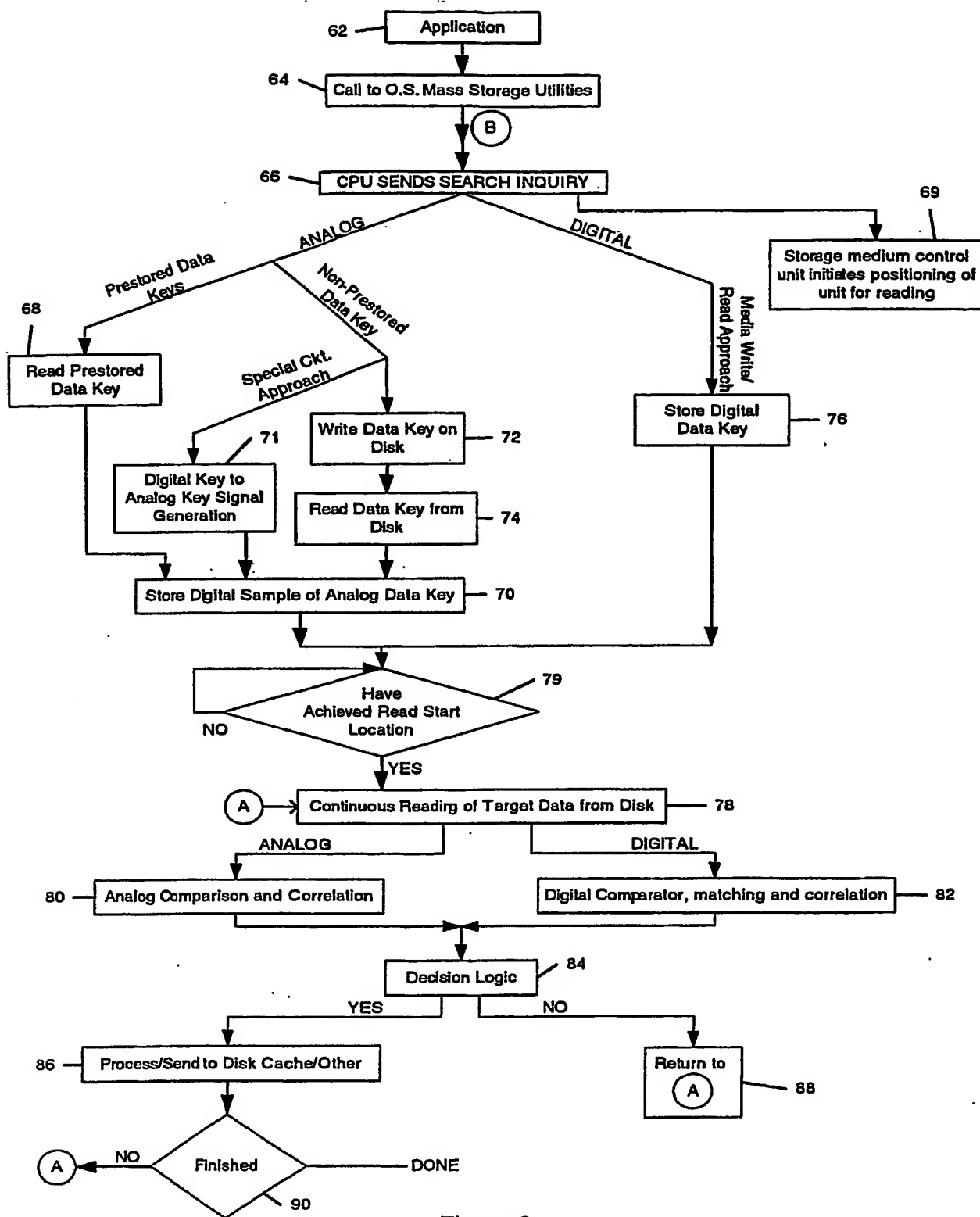


Figure 9

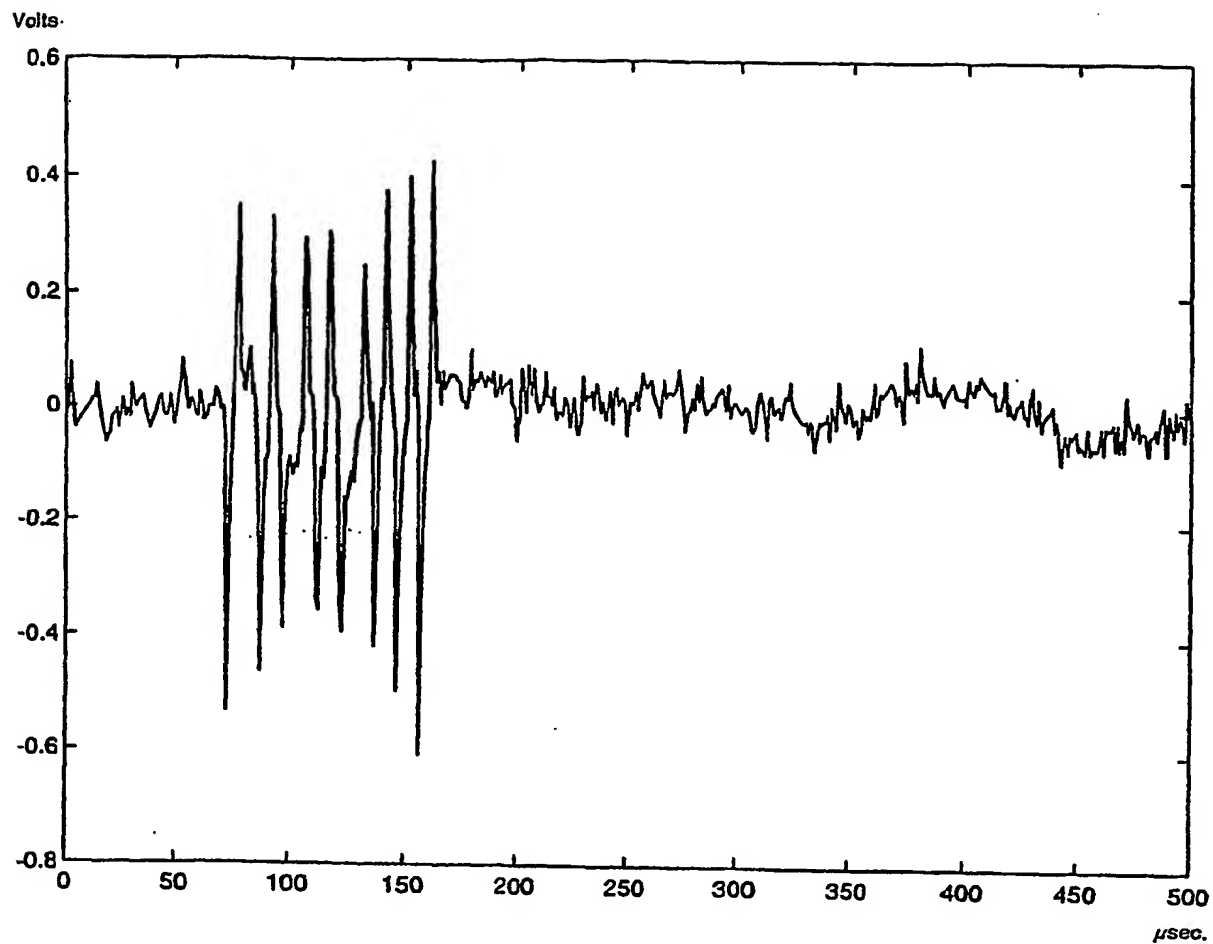


Figure 10

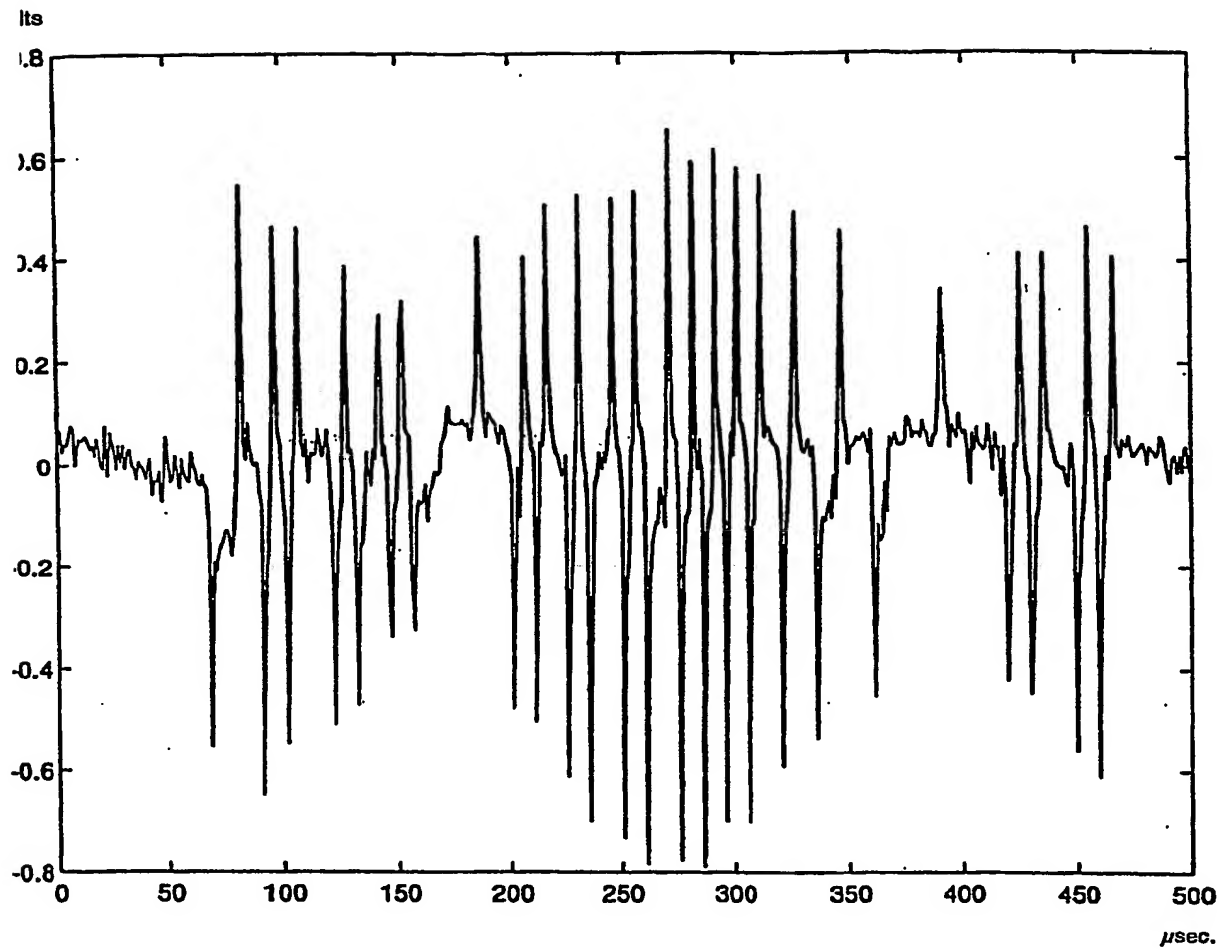


Figure 11

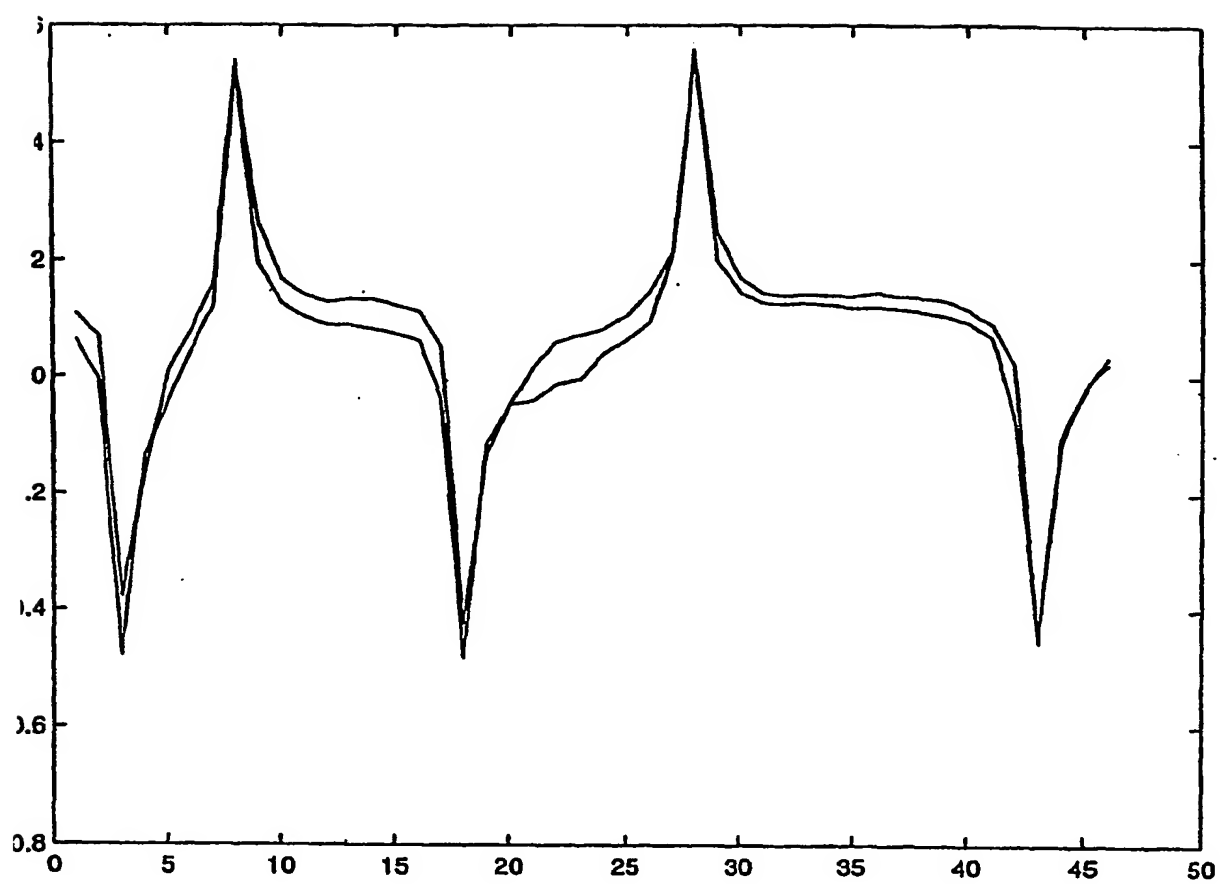


Figure 12

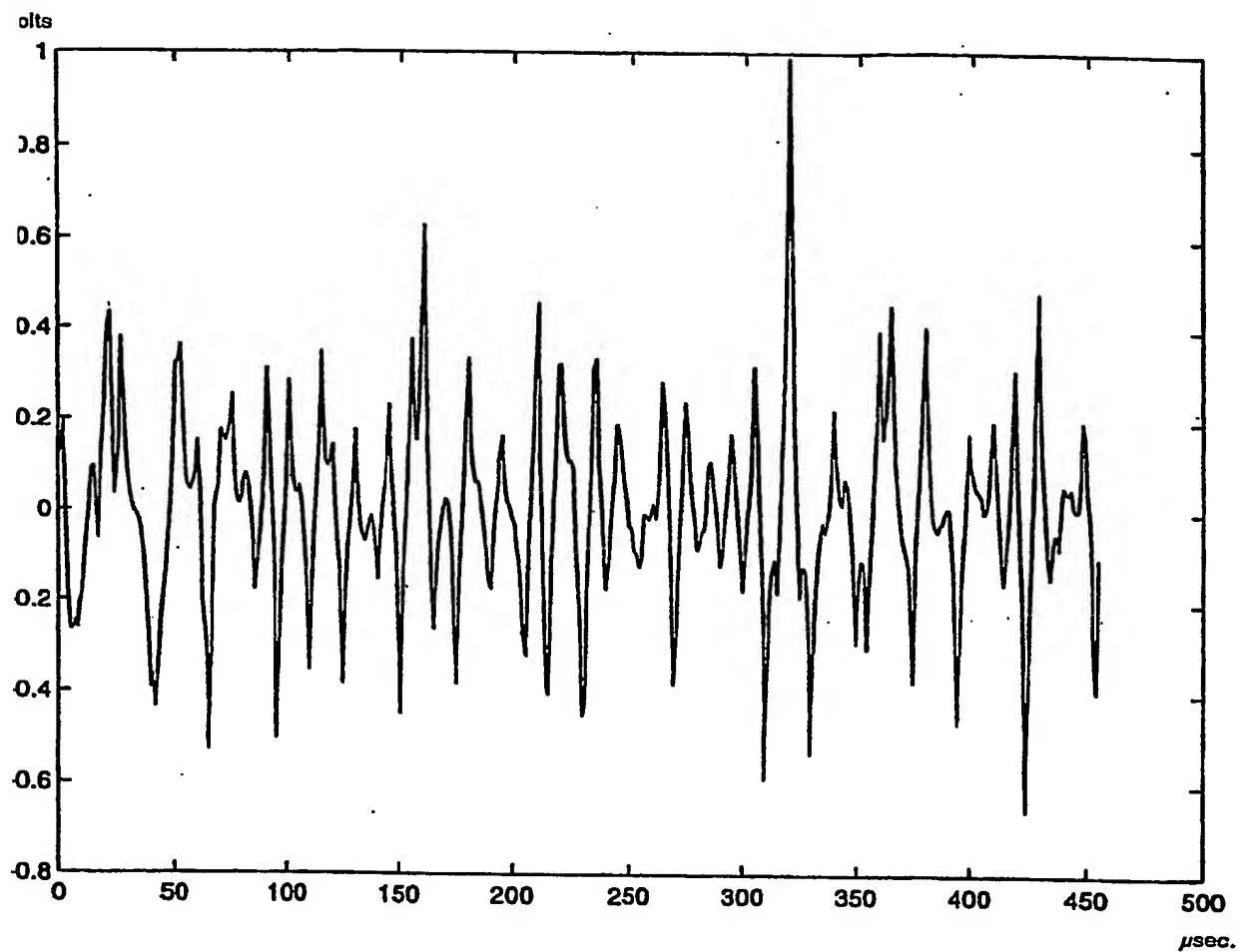


Figure 13

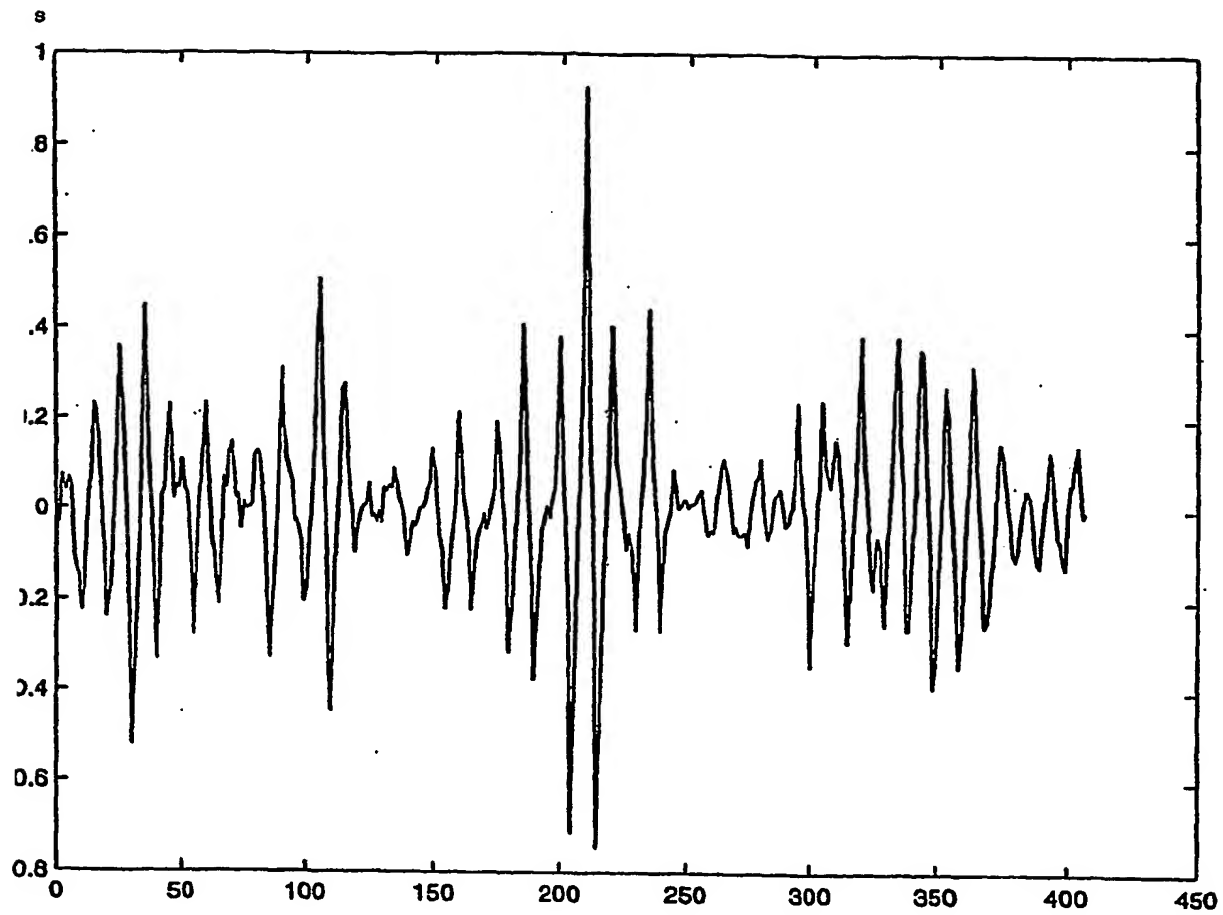


Figure 14

	t1	t2	t3	t4	t5	t6	t7	t8	t9
p1	d1,1	d1,2	d1,3	d1,4	d1,5	d1,6	d1,7	d1,8	d1,9
p2	d2,1	d2,2	d2,3	d2,4	d2,5	d2,6	d2,7	d2,8	d2,9
p3	d3,1	d3,2	d3,3	d3,4	d3,5	d3,6	d3,7	d3,8	d3,9
p4	d4,1	d4,2	d4,3	d4,4	d4,5	d4,6	d4,7	d4,8	d4,9

Diagram illustrating a 4x9 grid of data points (d1,1 to d4,9) indexed by time (t1 to t9) and position (p1 to p4). A horizontal arrow points from the top row (p1) to the right. A vertical arrow points from the left side of the grid to the right. A diagonal arrow points from the top right corner (t9, p1) towards the bottom left corner (t5, p3). A small arrow points from d2,5 to d3,5. A small arrow points from d3,5 to d3,6.

Figure 15

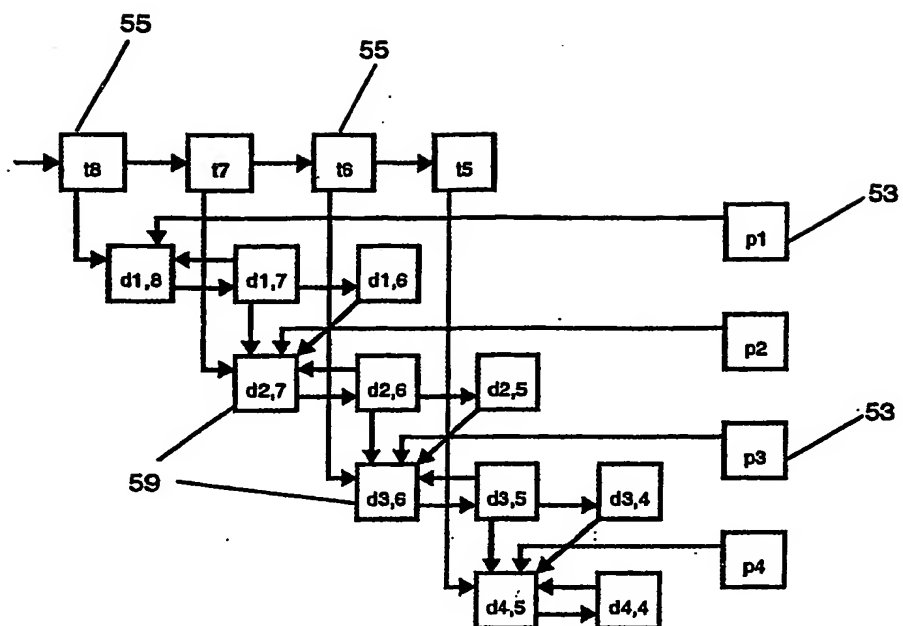


Figure 16

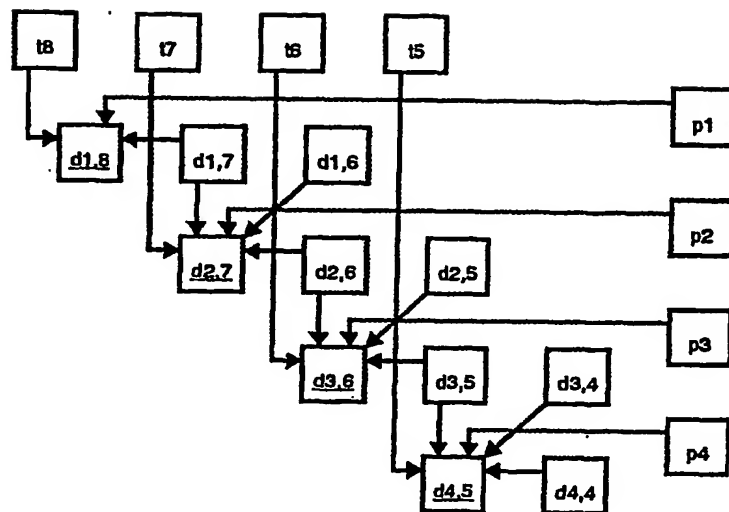
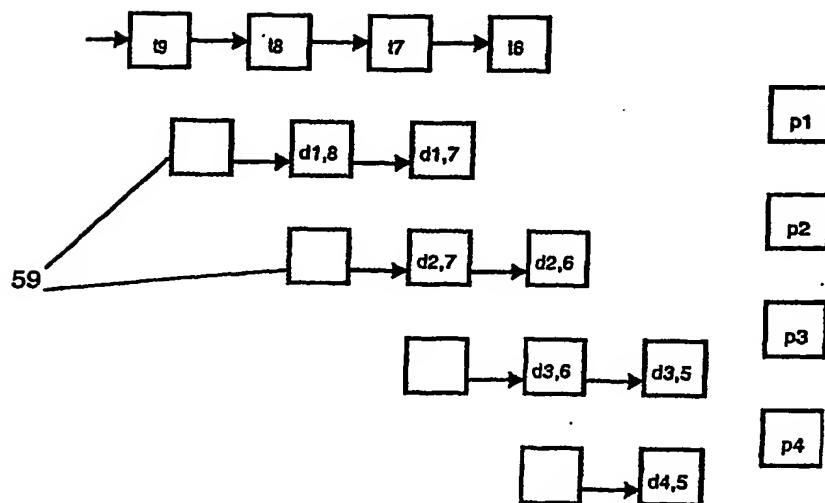


Figure 17



	p	q	r	a	x	a	b	c	s	t	v	q	...
a	-1	-1	-1	2	1	2	1	0	-1	-1	-1	-1	
x	-1	-2	-2	1	4	3	2	1	0	-1	-2	-2	
b	-1	-2	-3	0	3	2	5	4	3	2	1	0	
a	-1	-2	-3	-1	2	1	4	3	2	1	0	-1	
c	-1	-2	-3	-2	1	0	3	6	5	4	3	2	
s	-1	-2	-3	-3	0	-1	2	5	<u>8</u>	7	6	5	

Figure 19

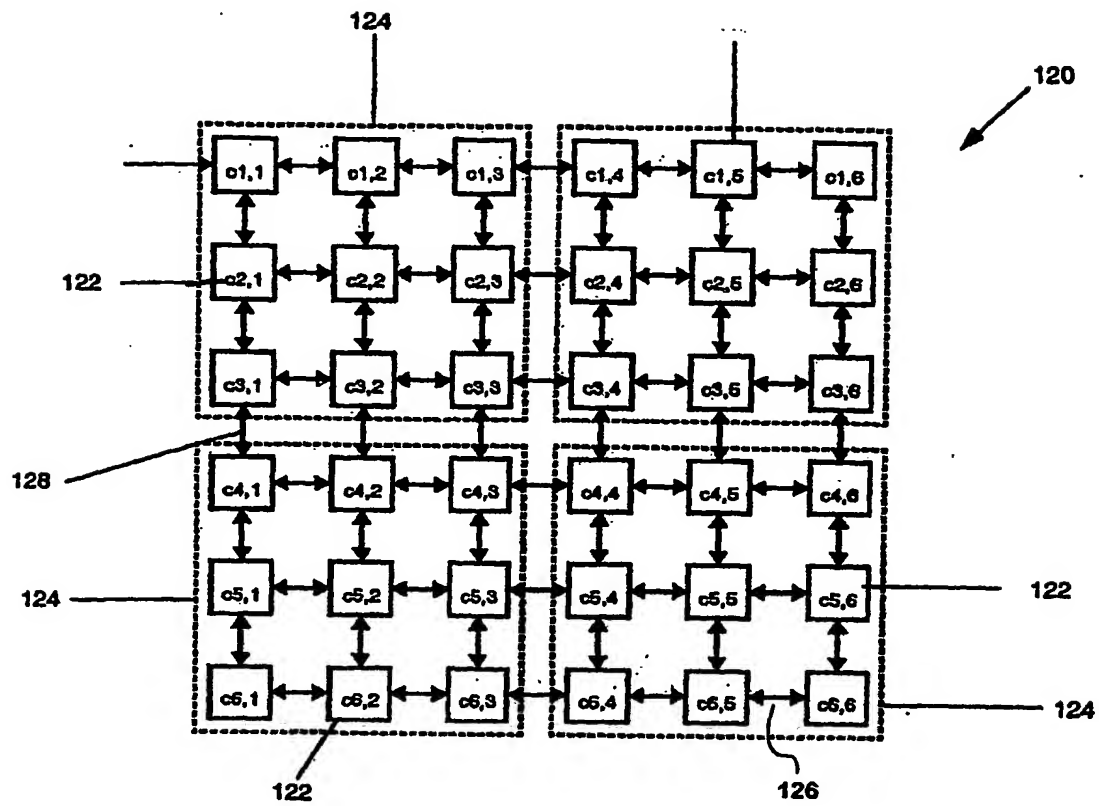


Figure 23

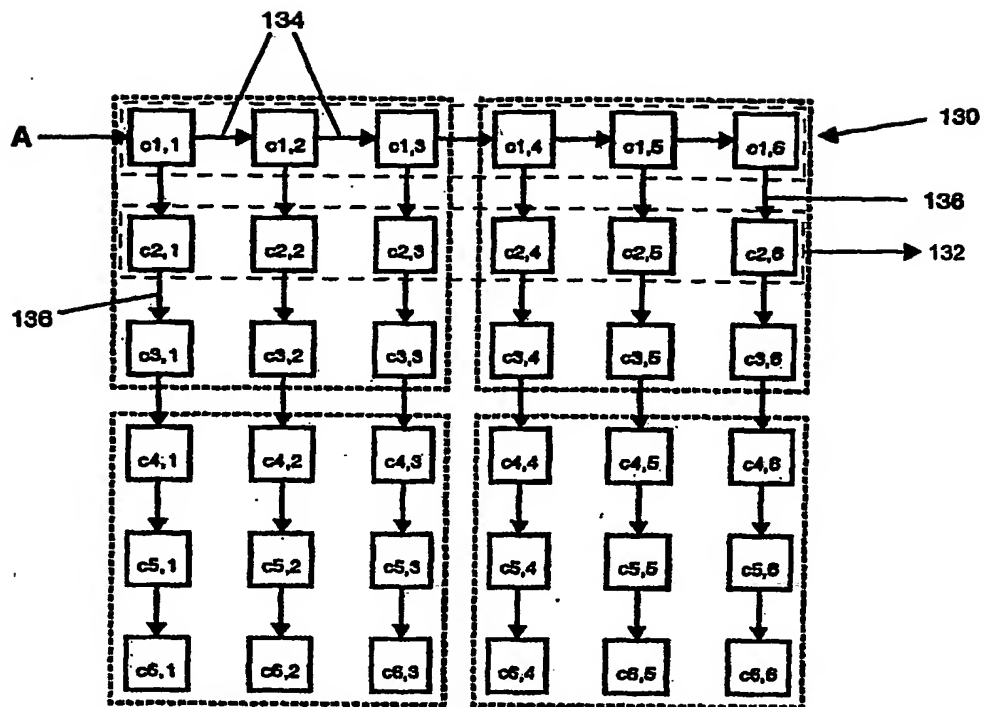


Figure 24

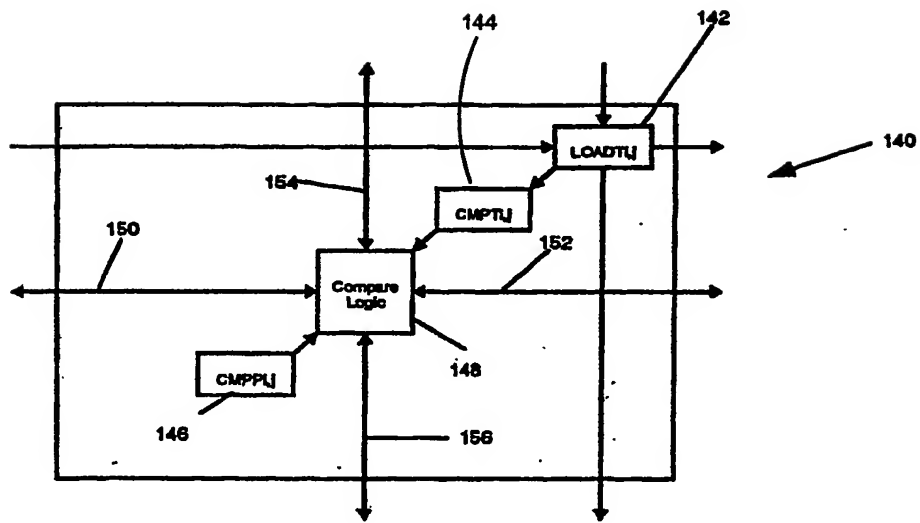


Figure 25

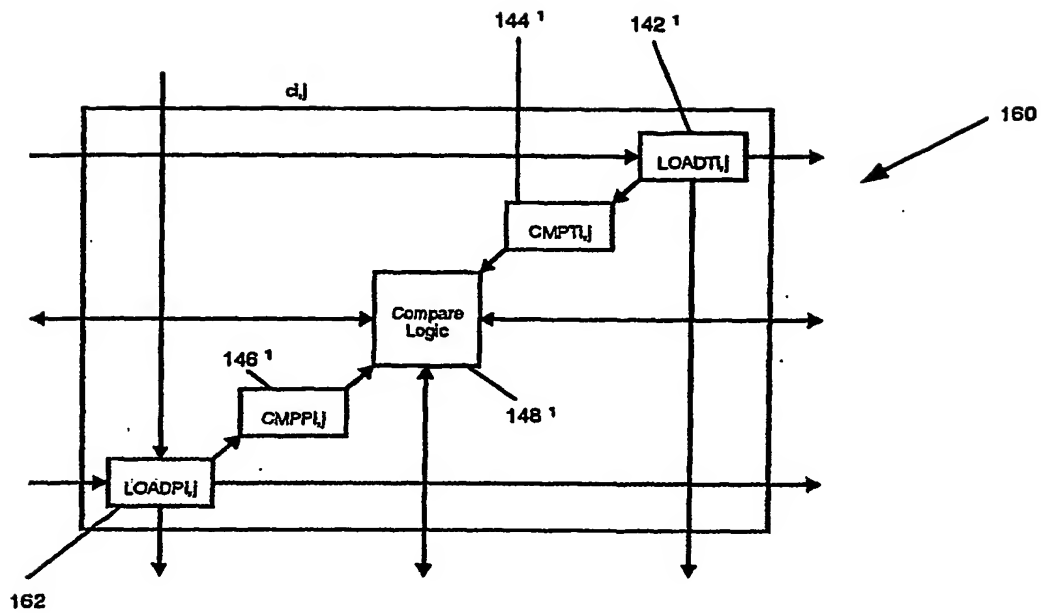


Figure 26

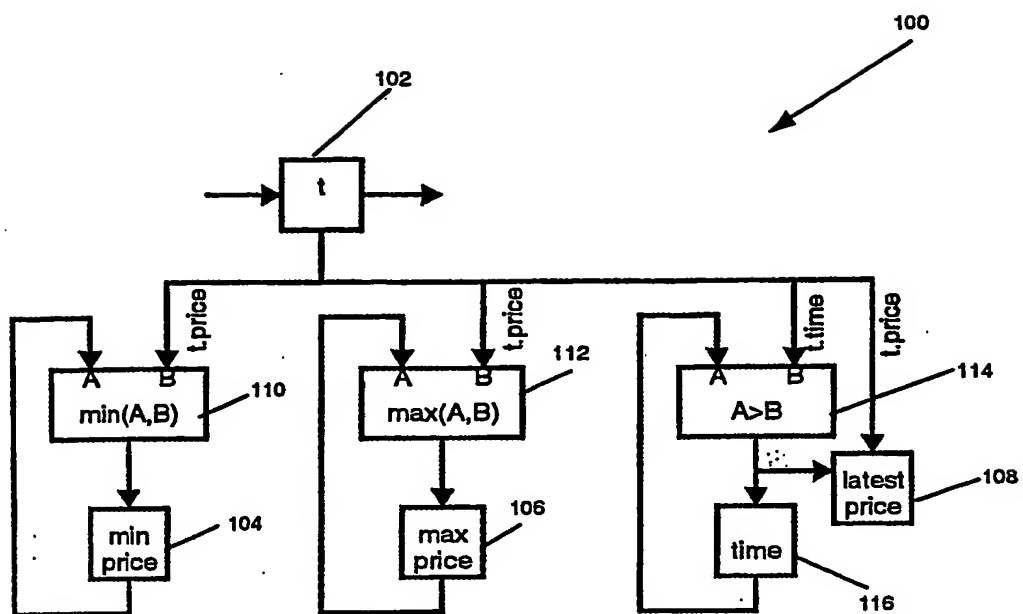


Figure 27

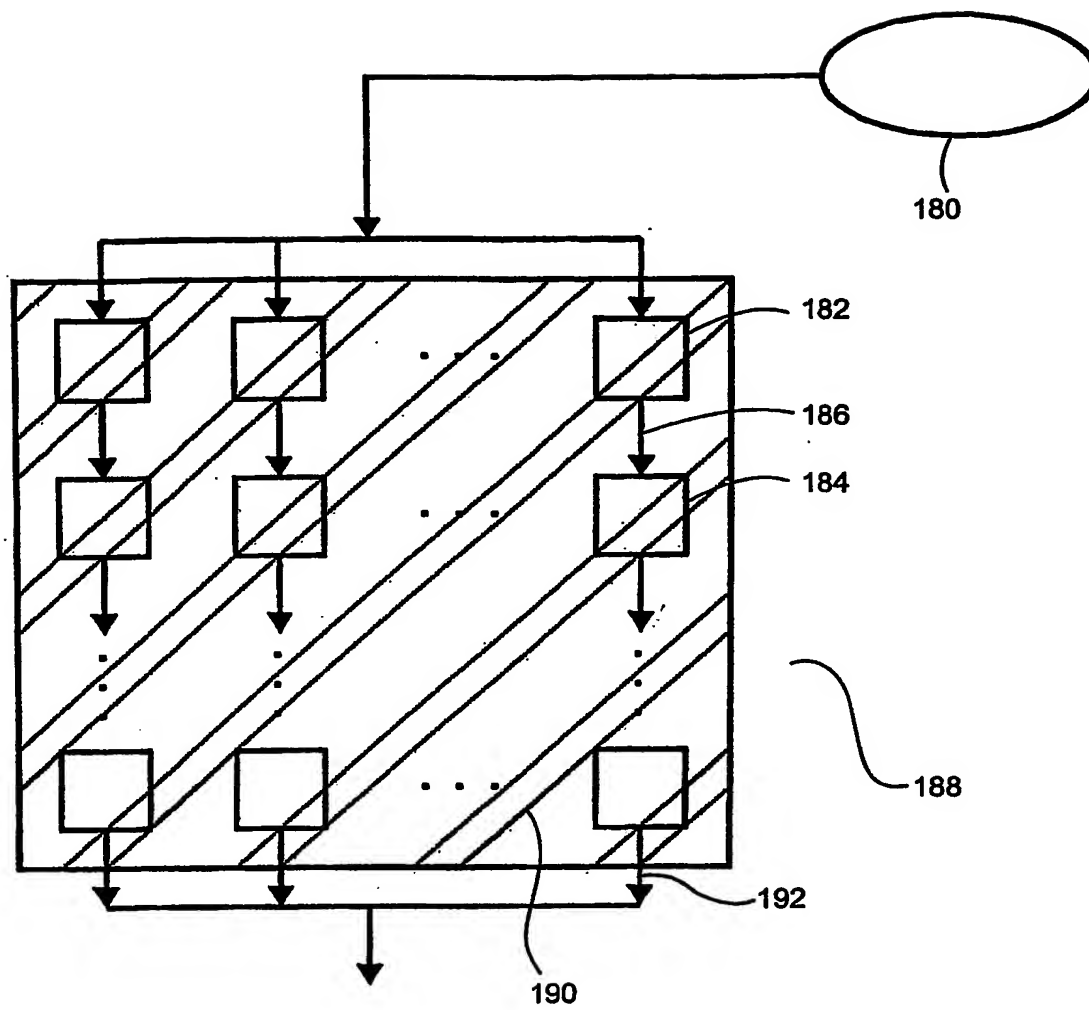


Fig. 28

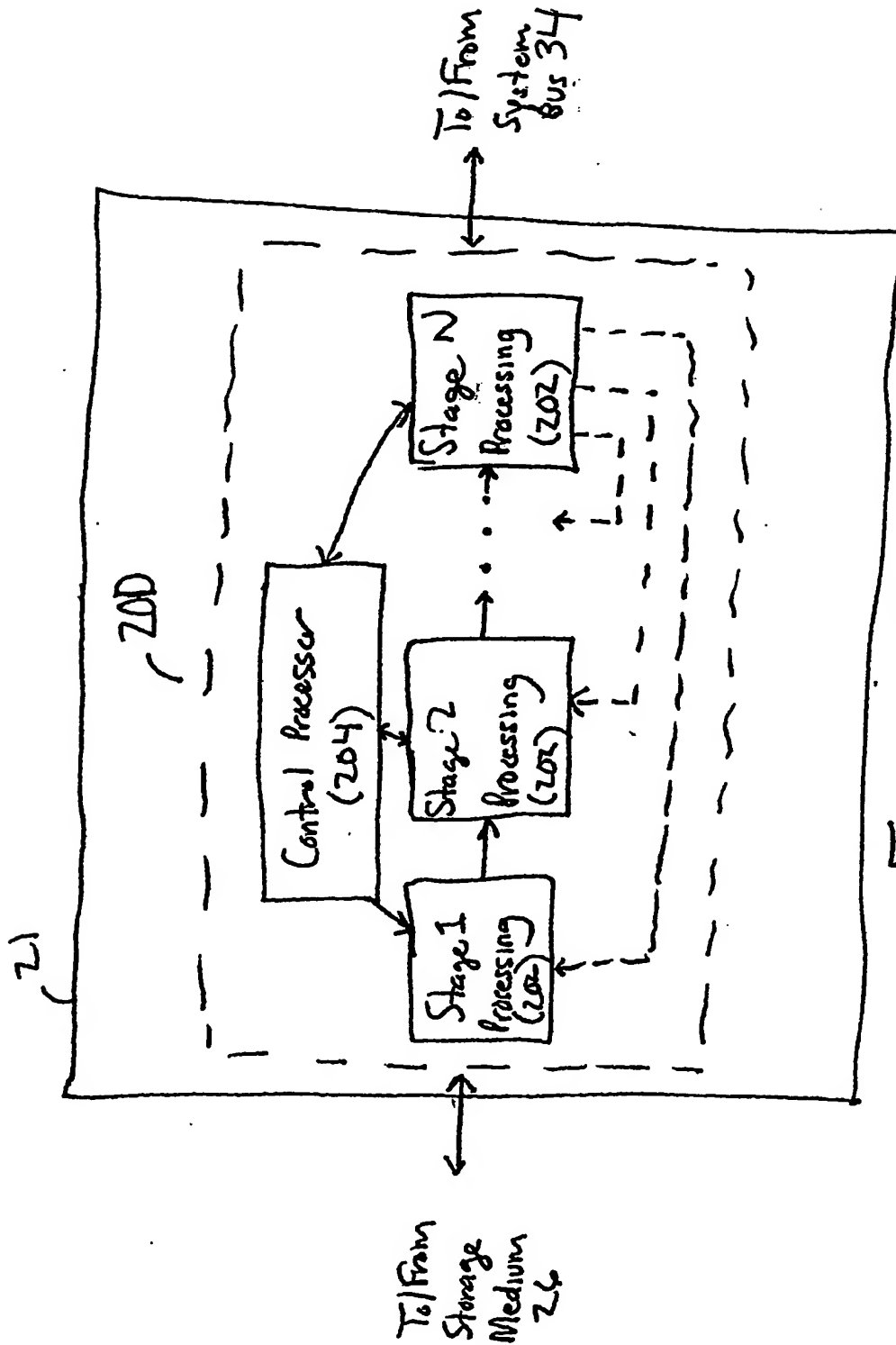


Figure 29

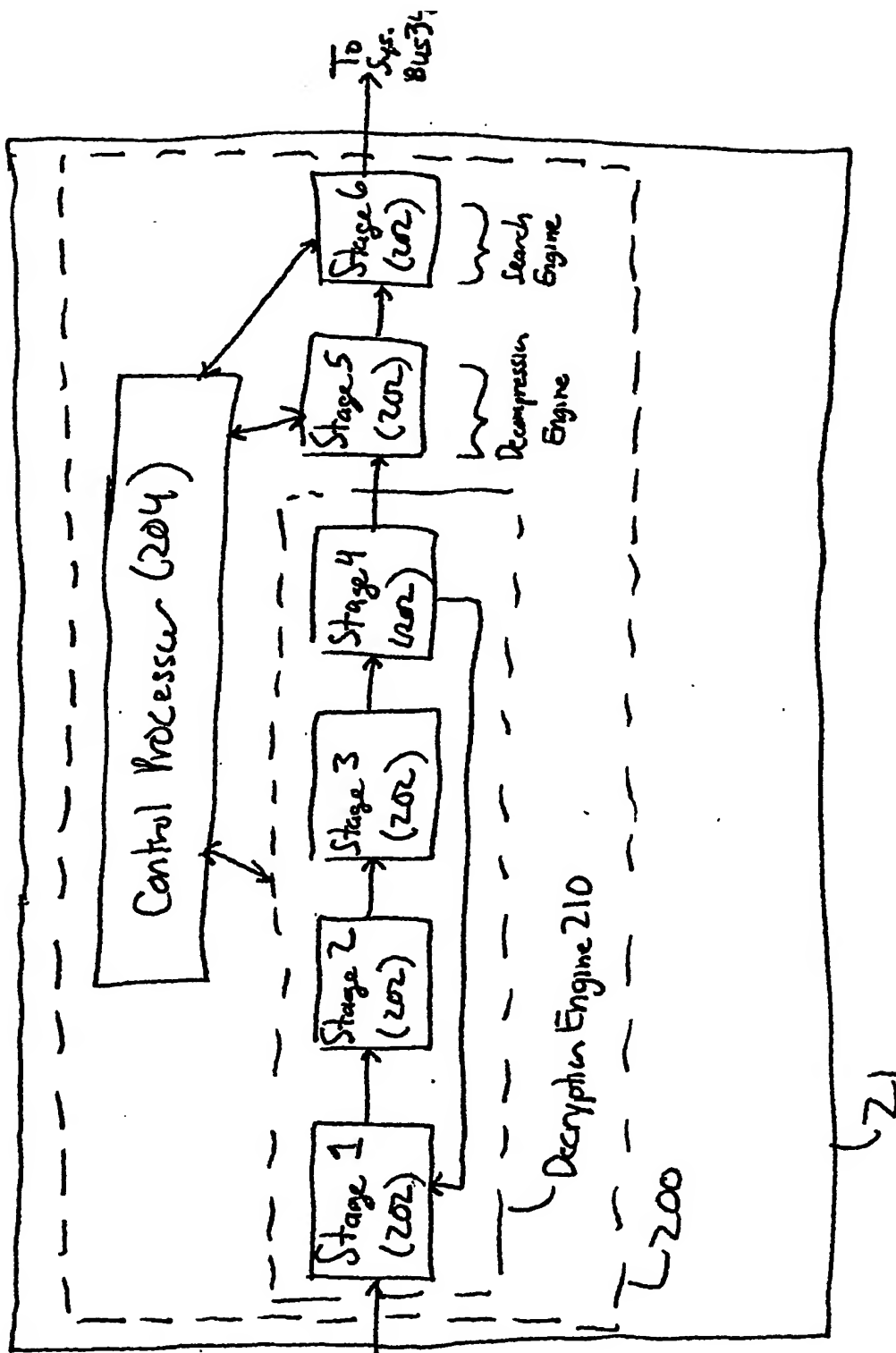


Figure 30

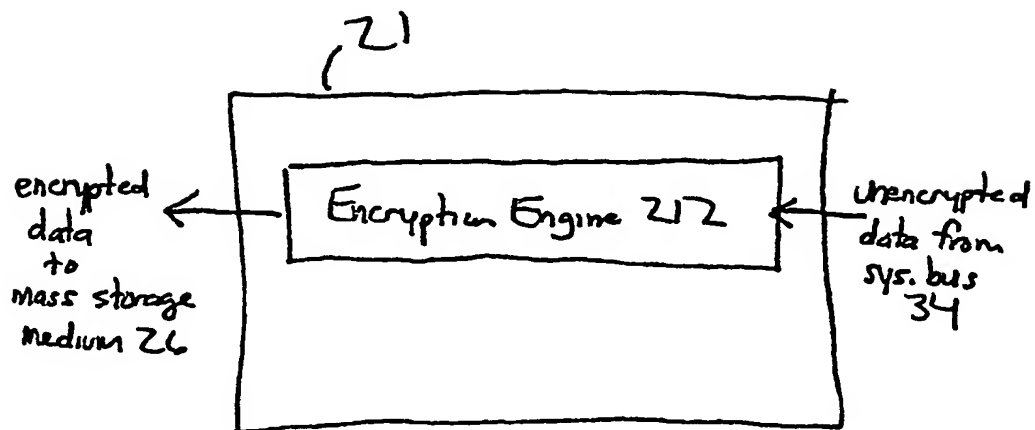


Figure 31

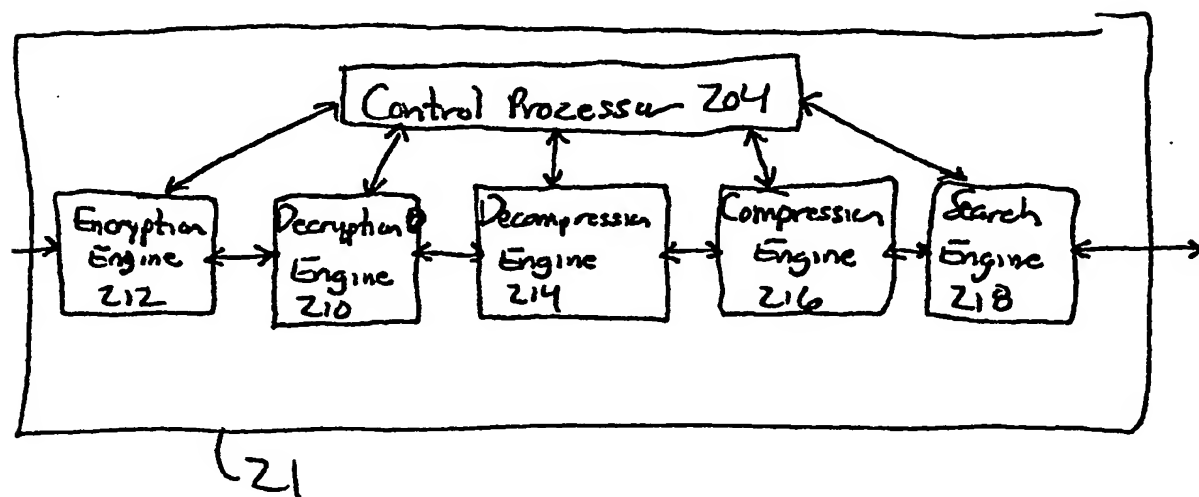


Figure 32

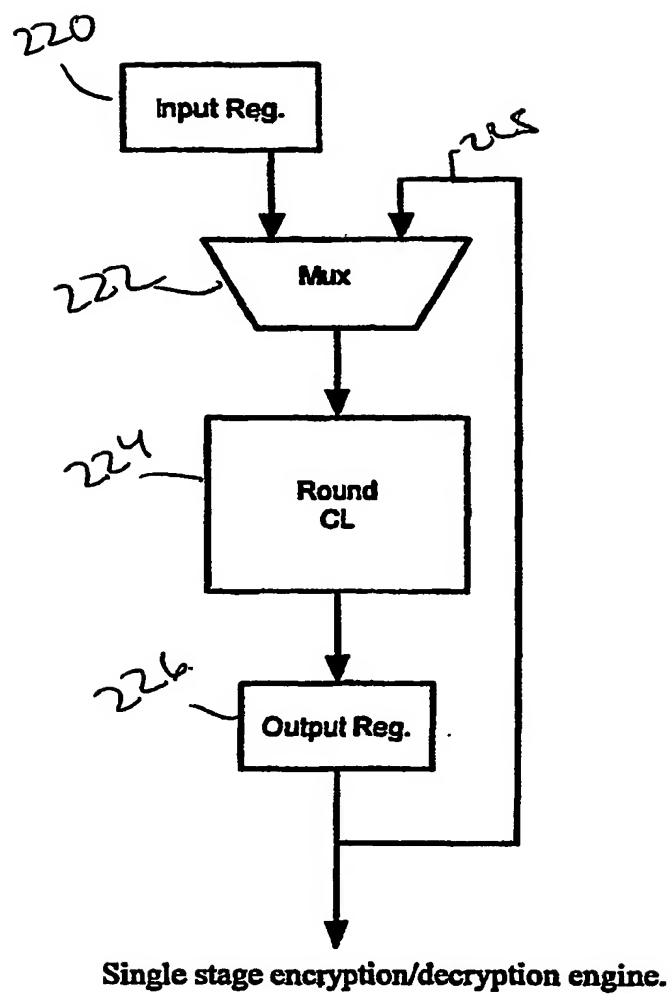


Figure 33

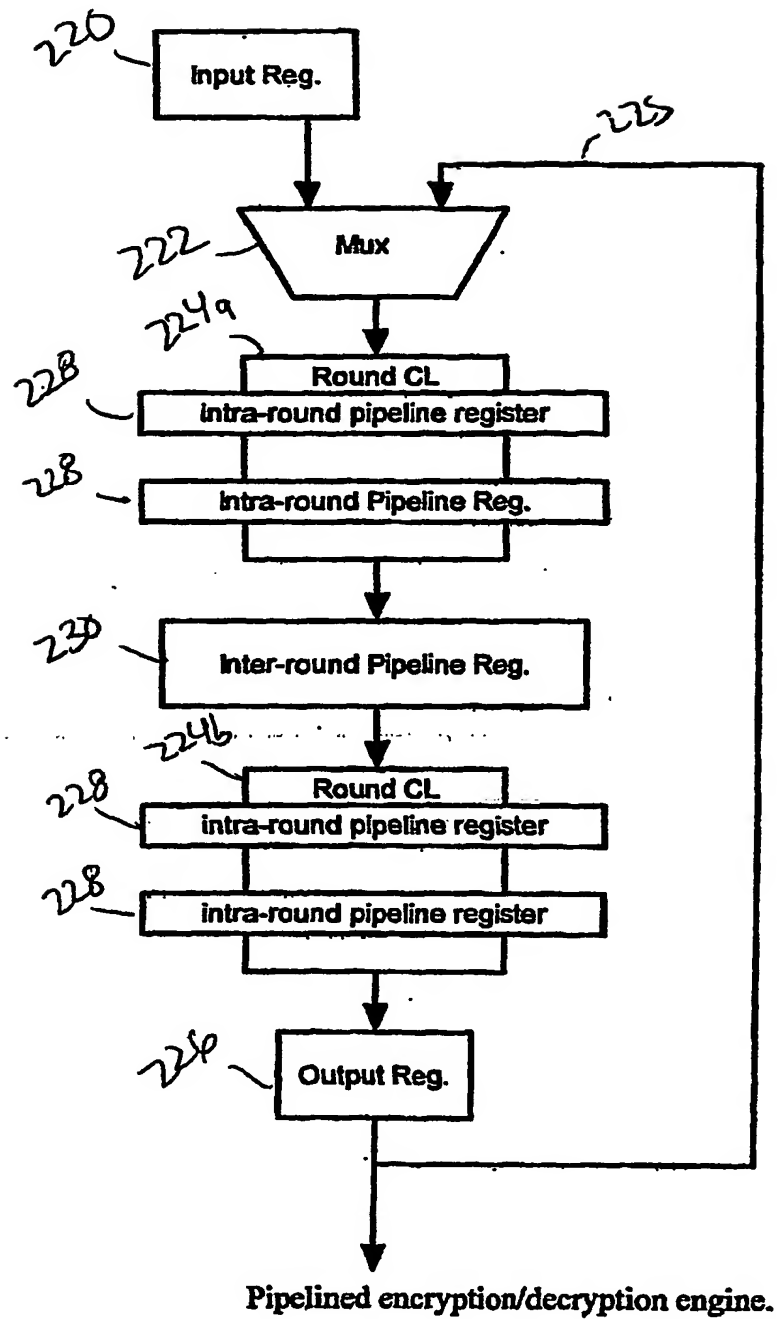


Figure 34

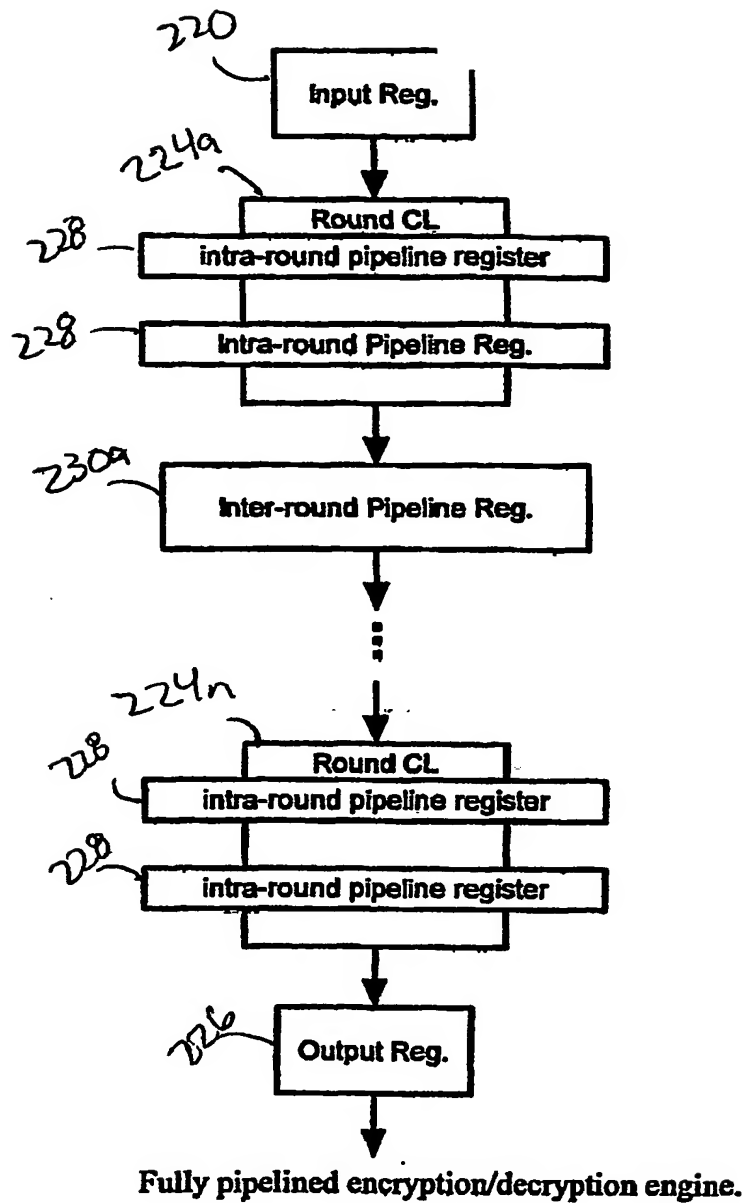


Figure 35

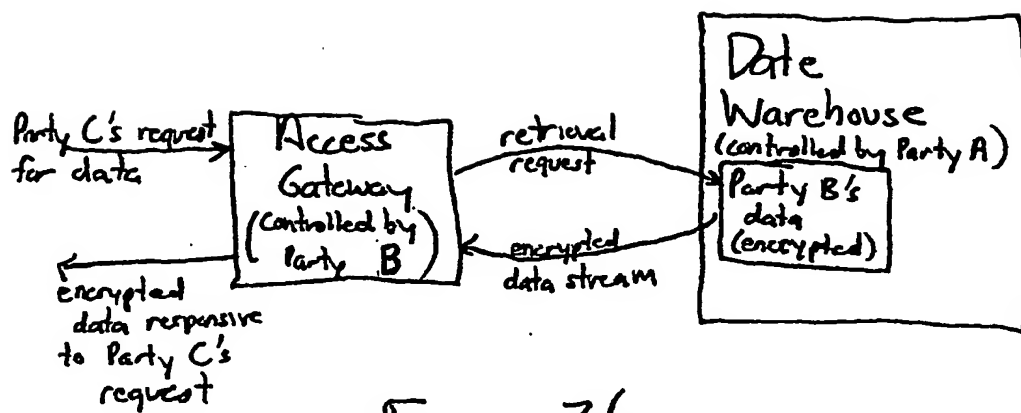
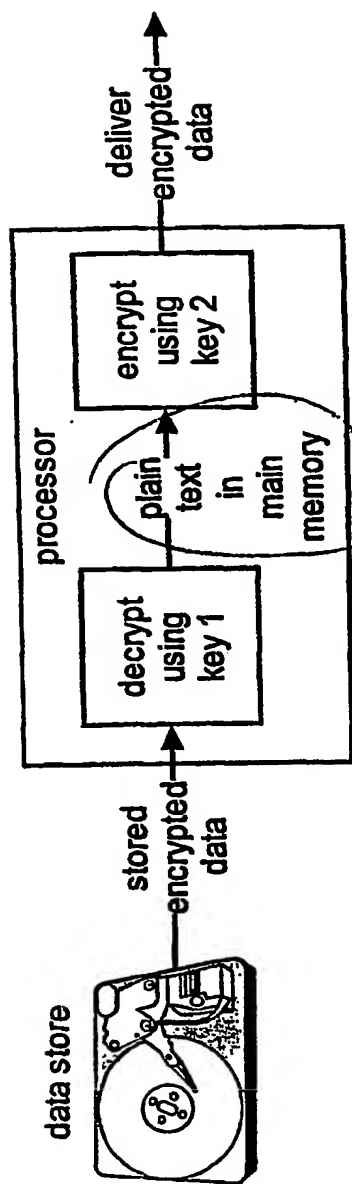
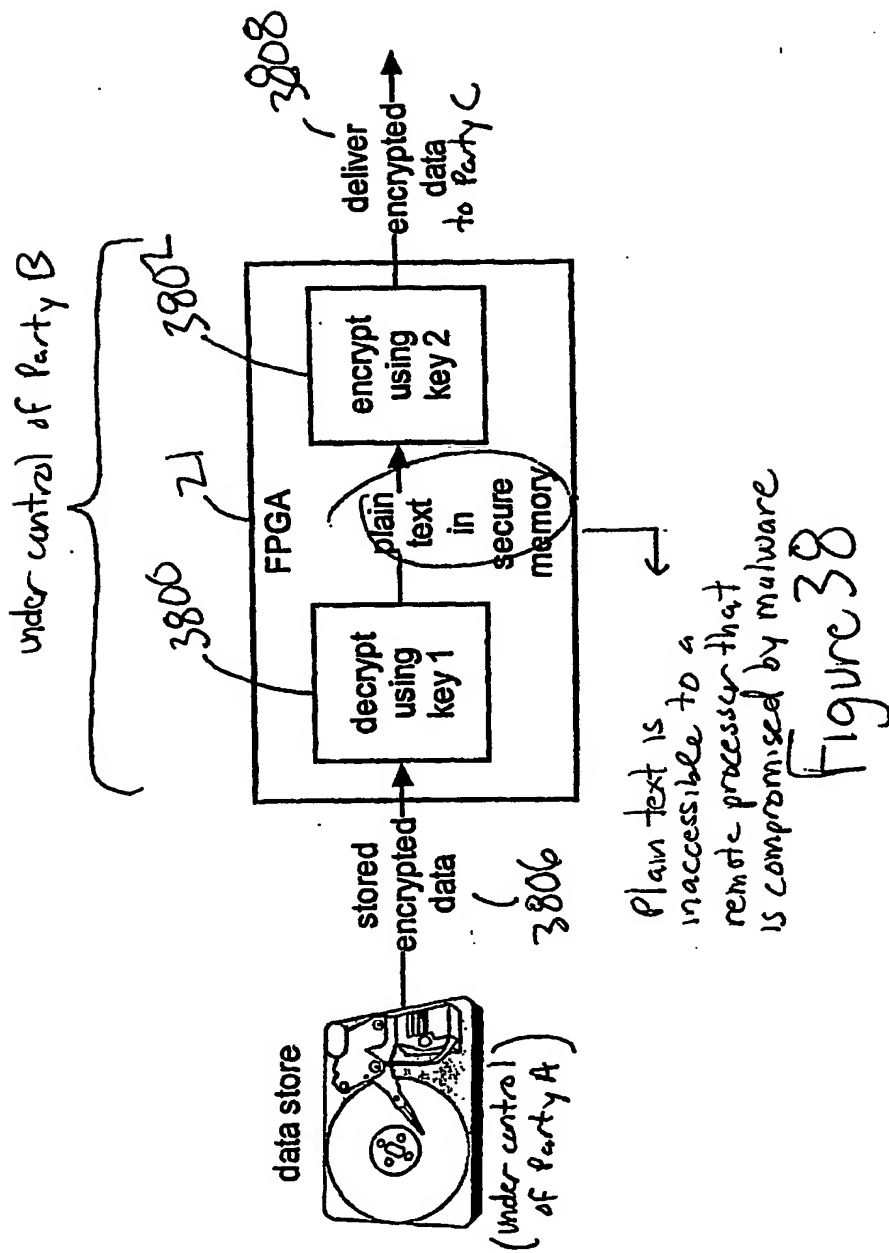


Figure 36



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if processor
is compromised

Figure 37



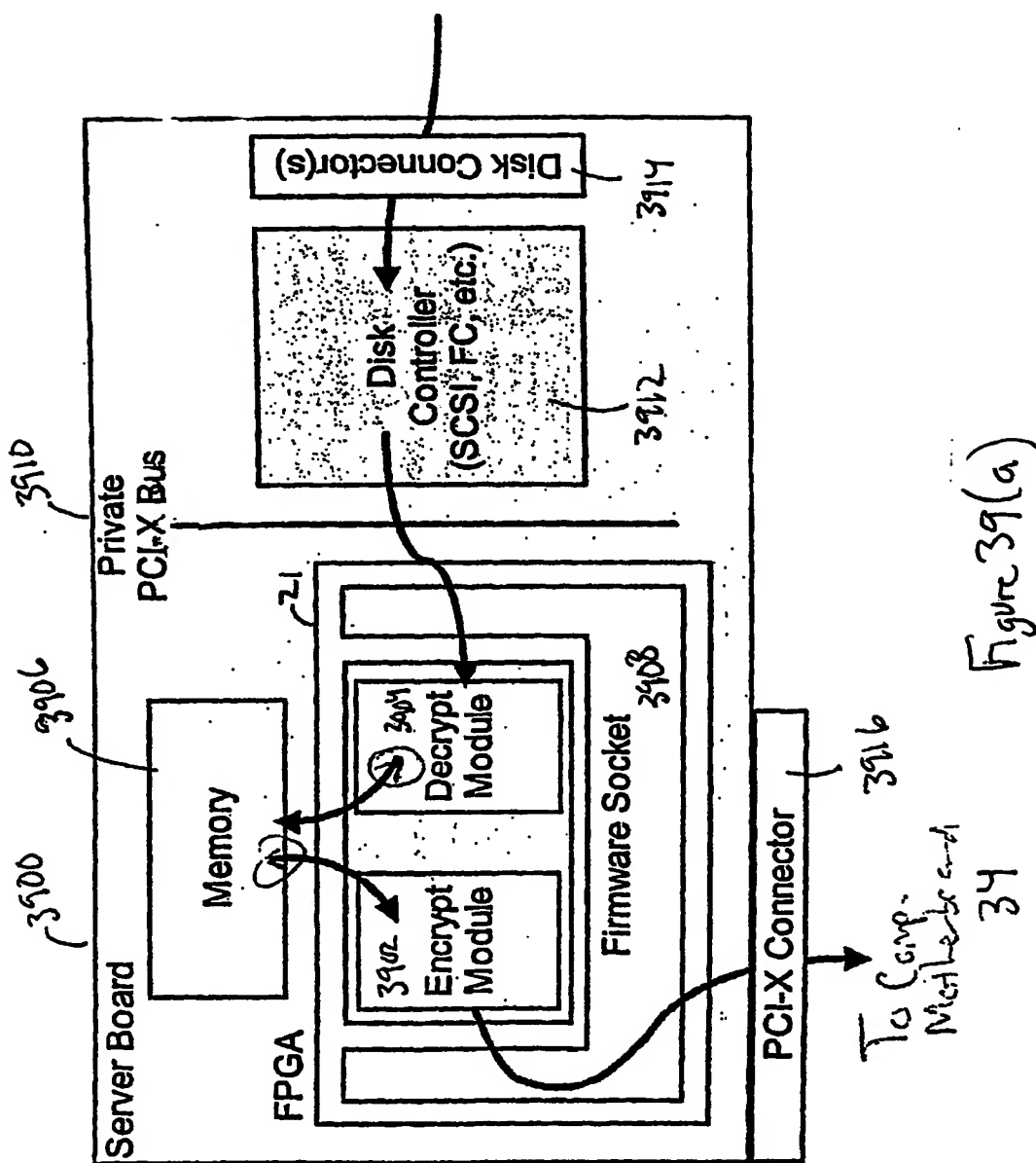
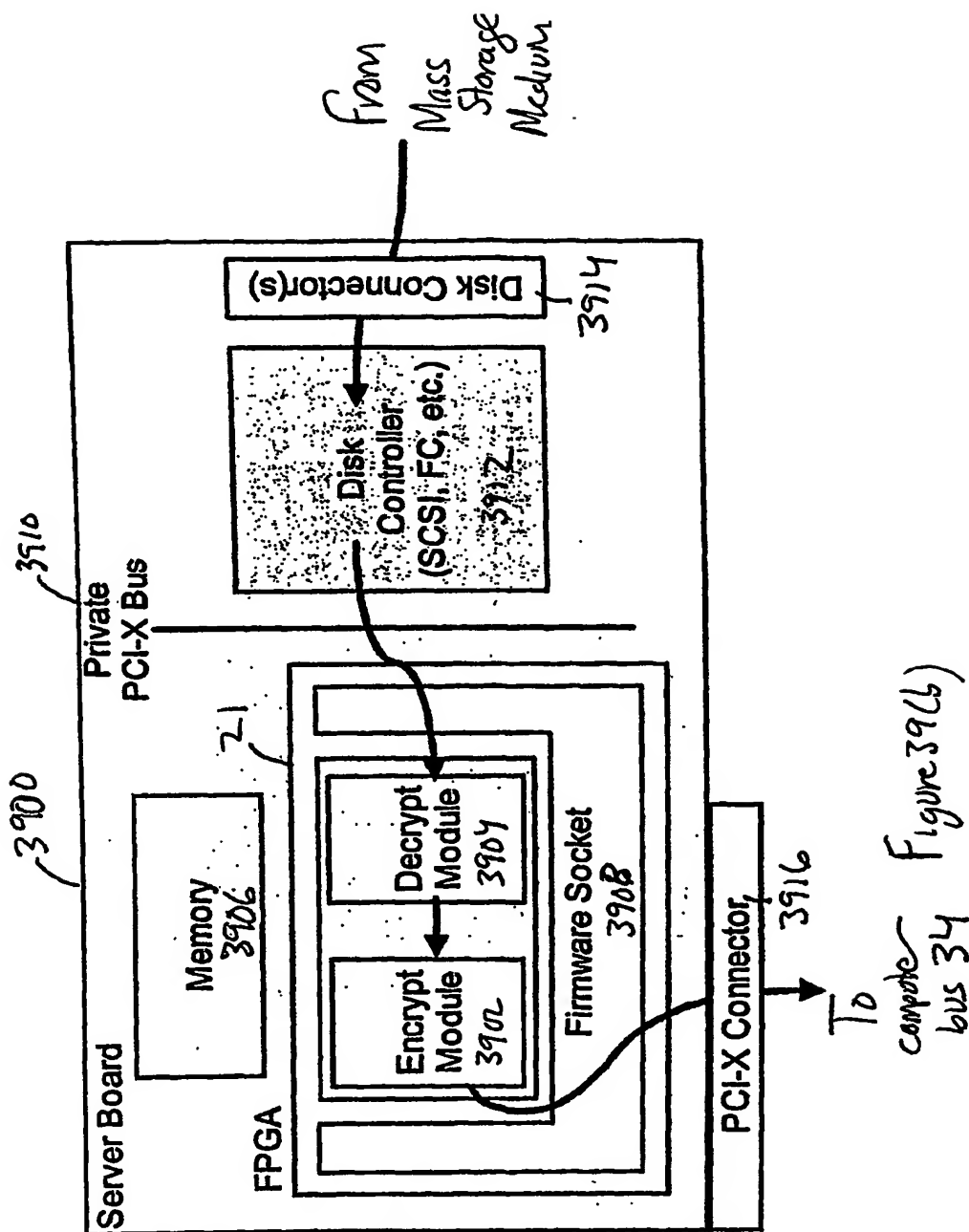


Figure 39(a)



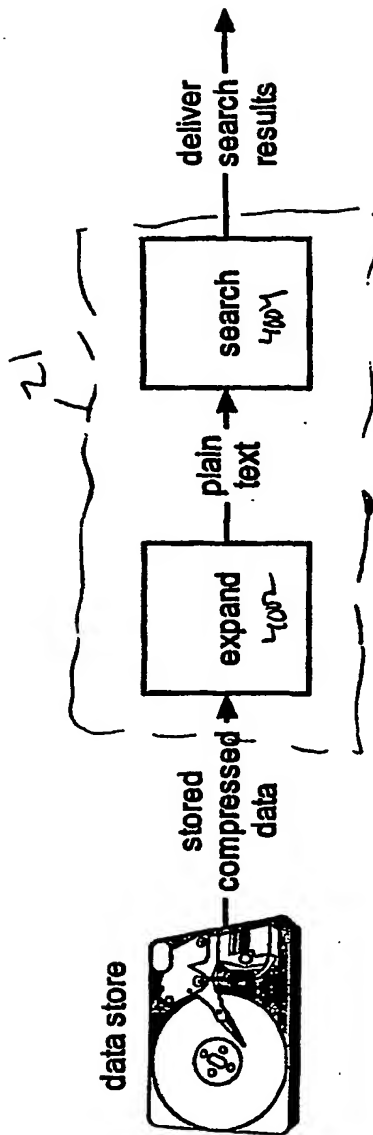


Figure 40

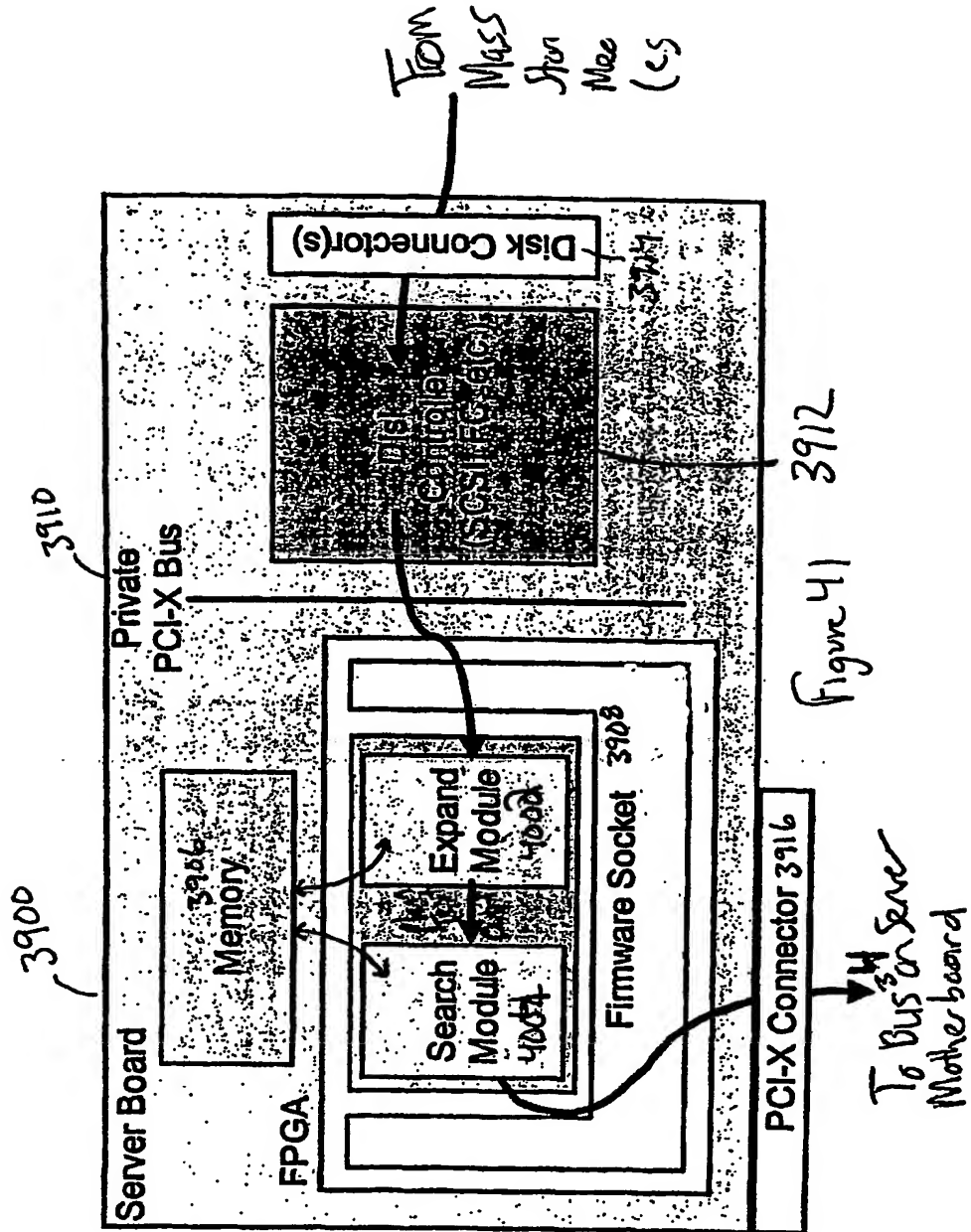


Figure 41 3912

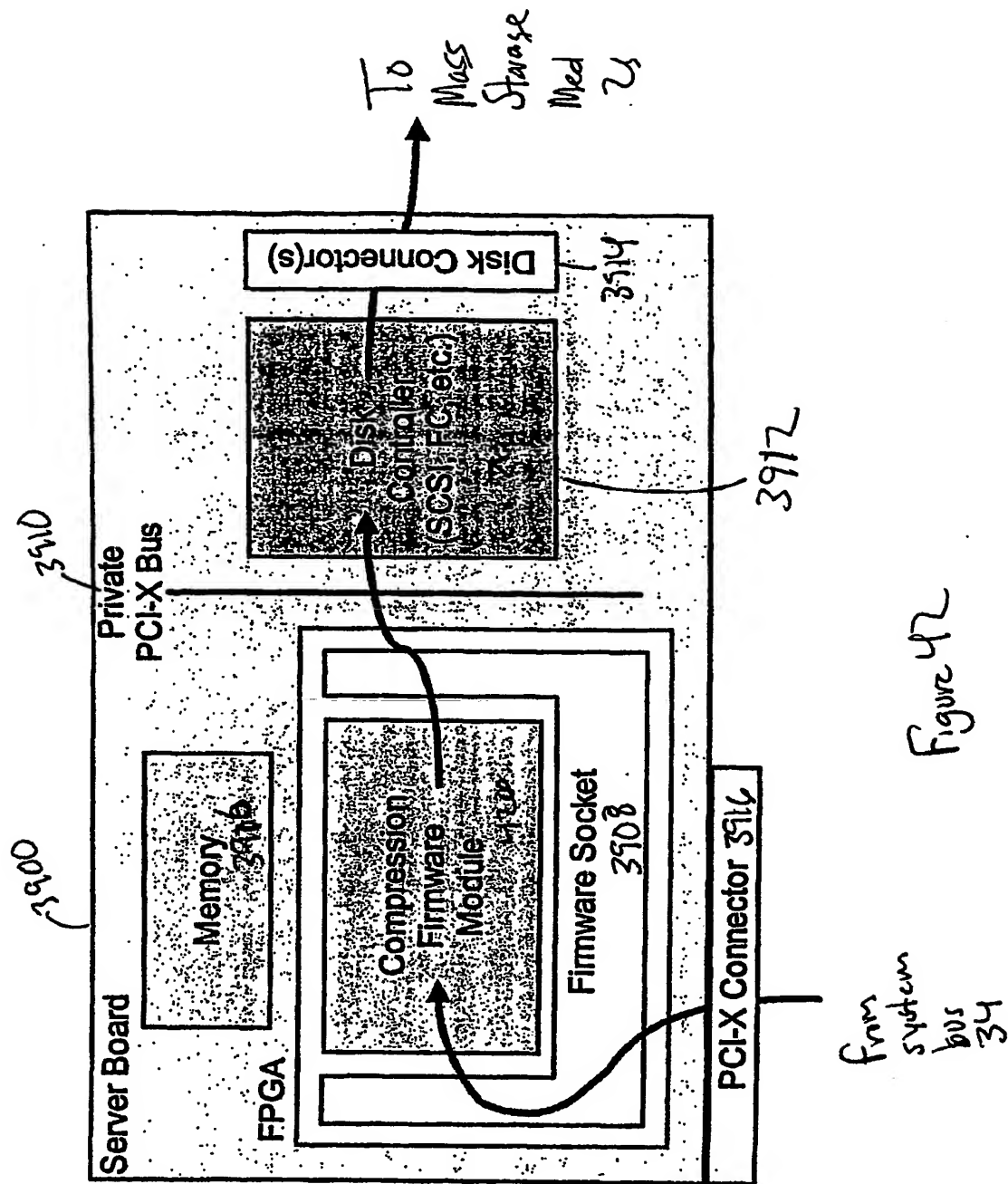


Figure 42

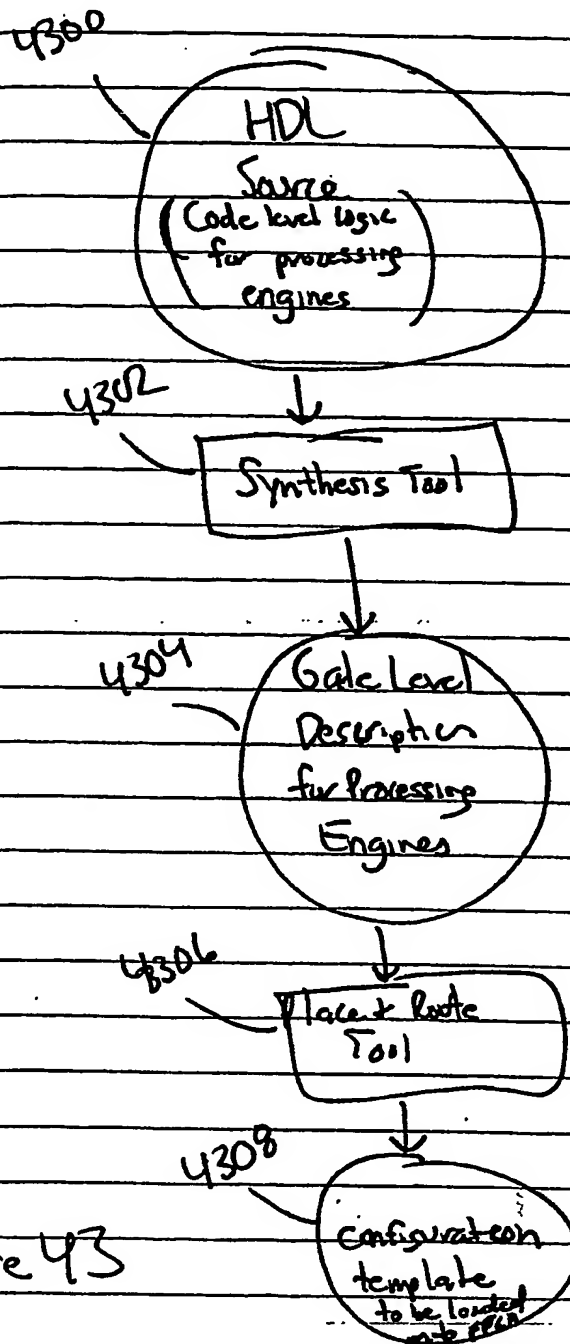


Figure 43

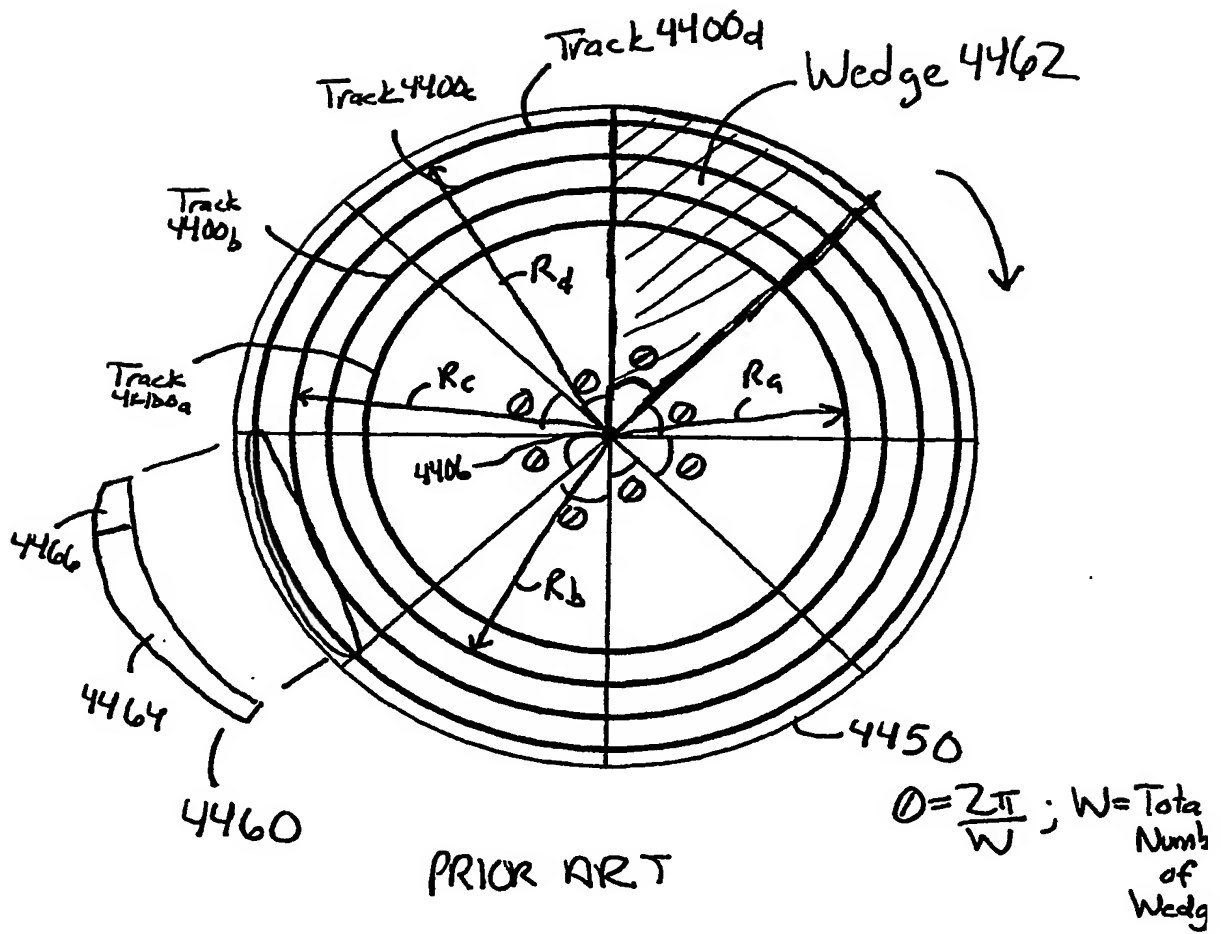


Figure 44(a)

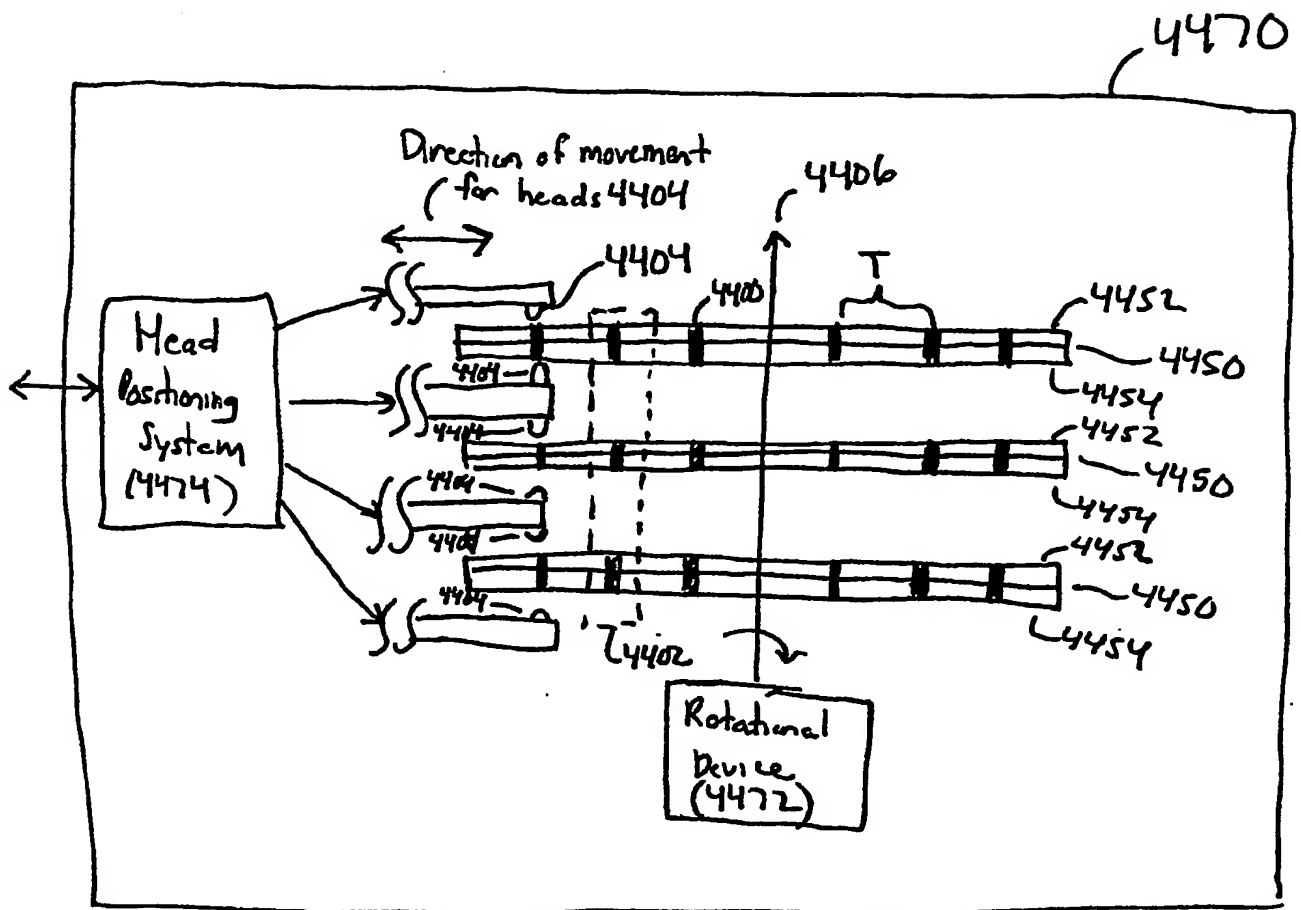


Figure 44(b)

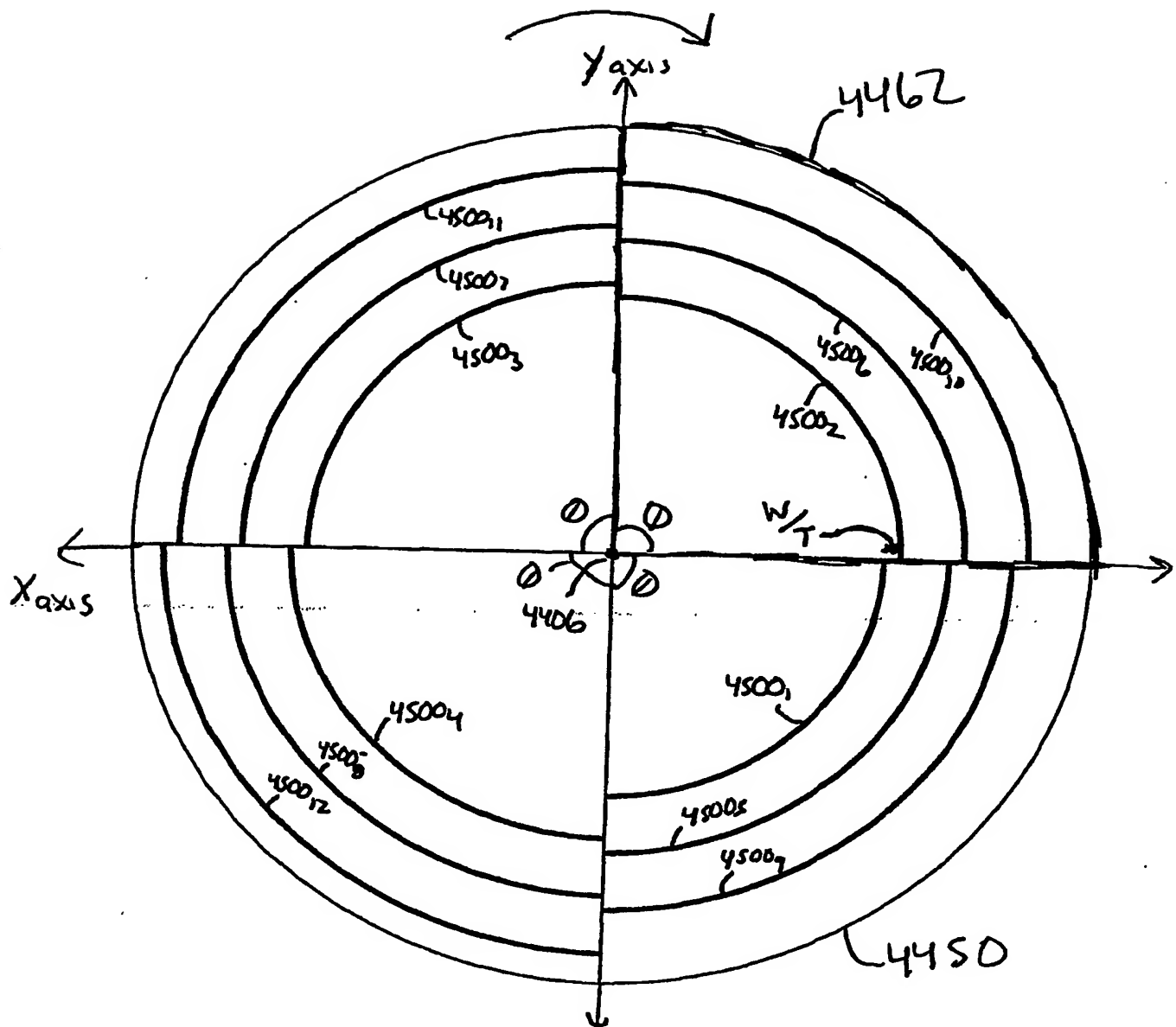


Figure 45

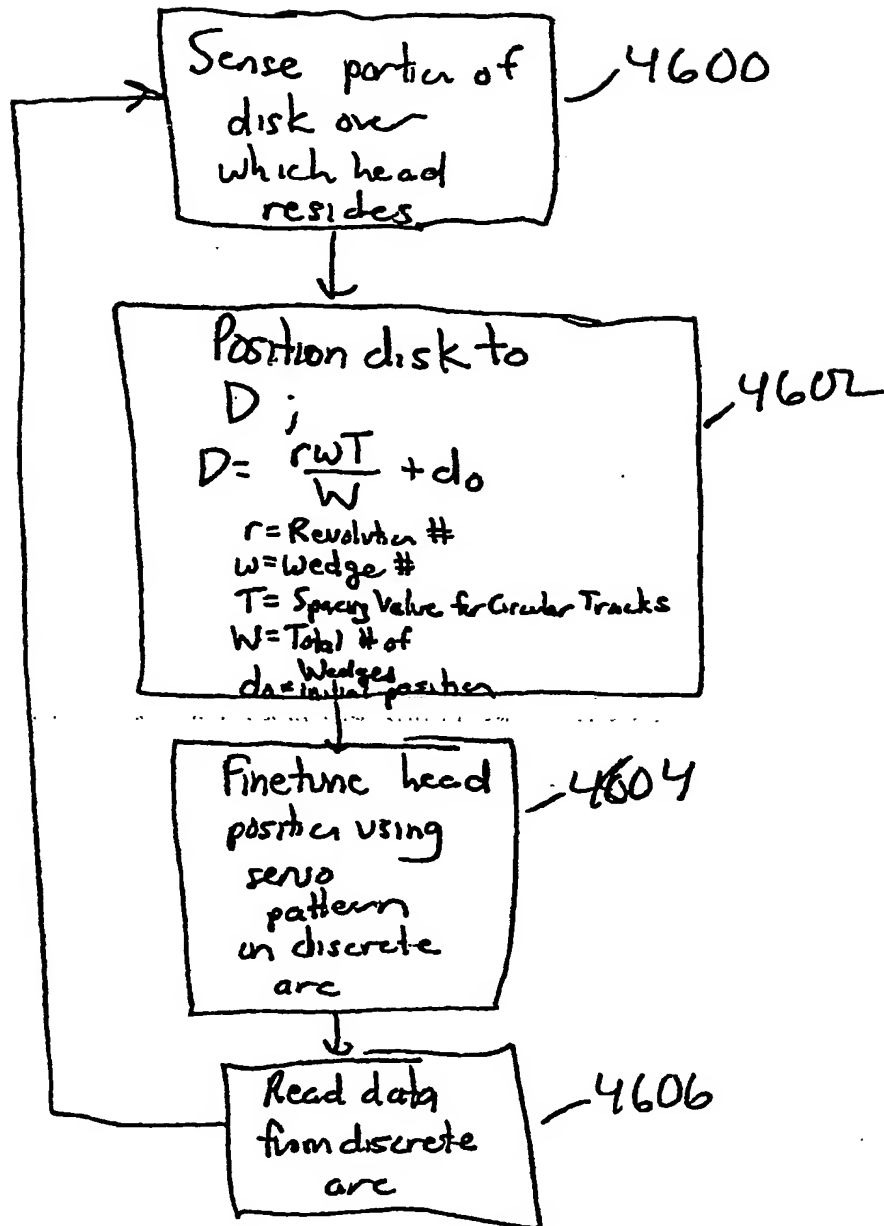


Figure 46

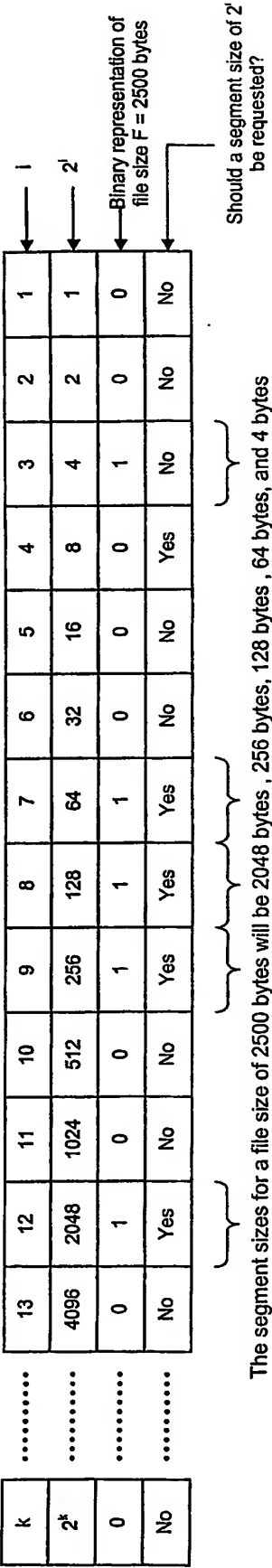


Figure 47(a)

Minimum Segment Size is 2^m, wherein m is 10

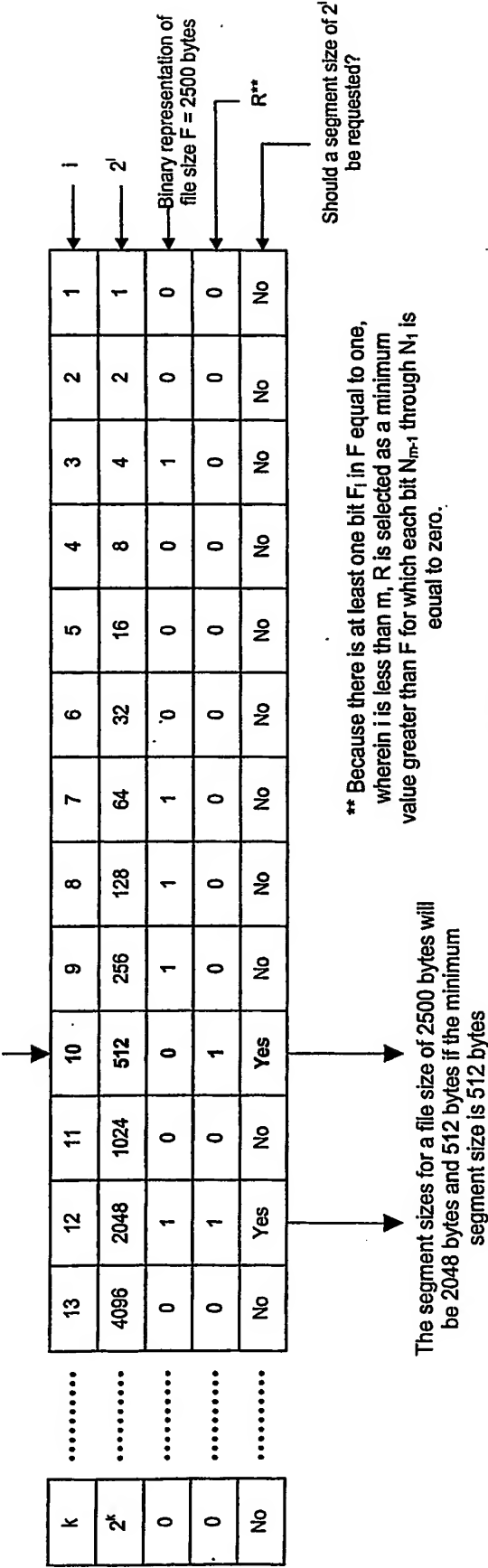
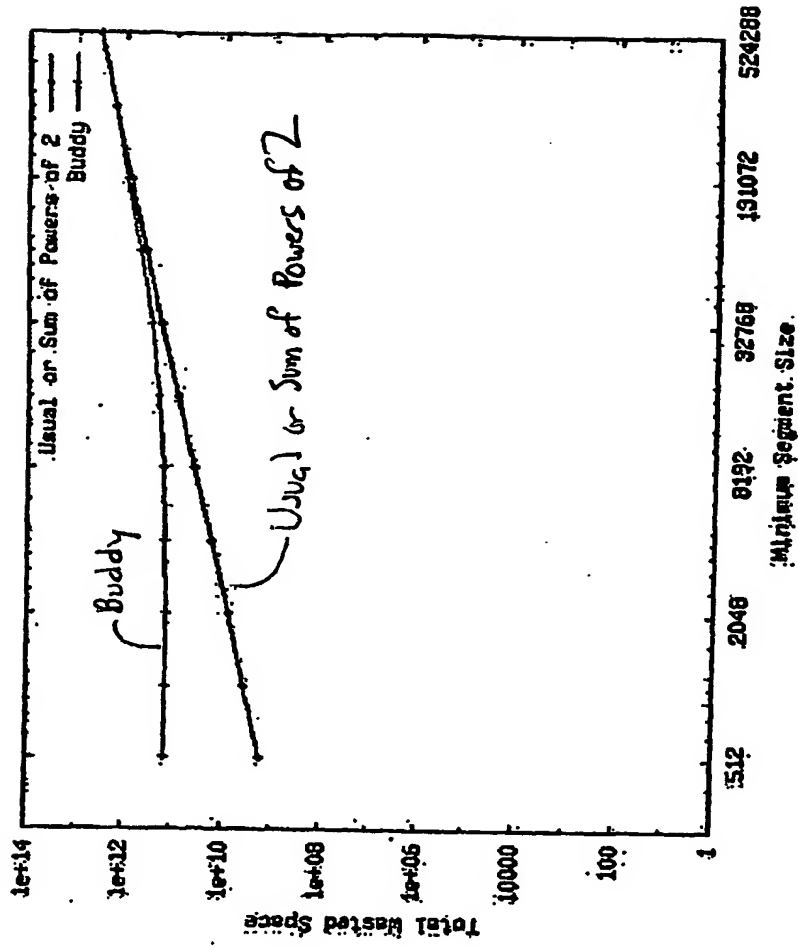
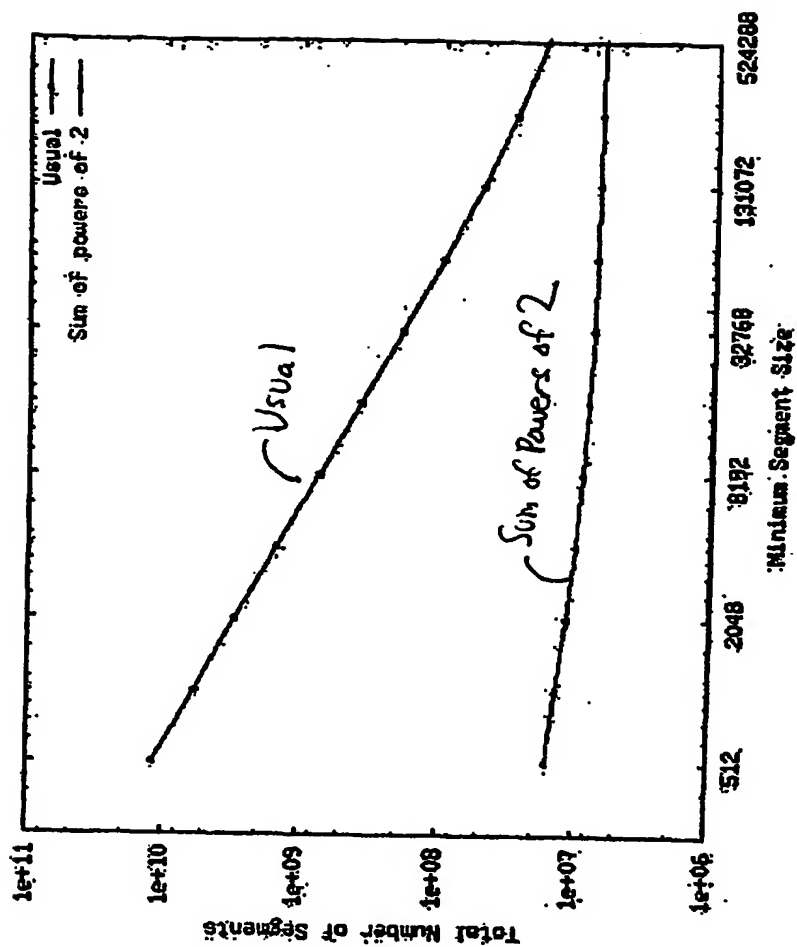


Figure 47(b)



Wasted storage due to internal fragmentation.

Figure 48



Total number of segments in the file system.

Figure 49

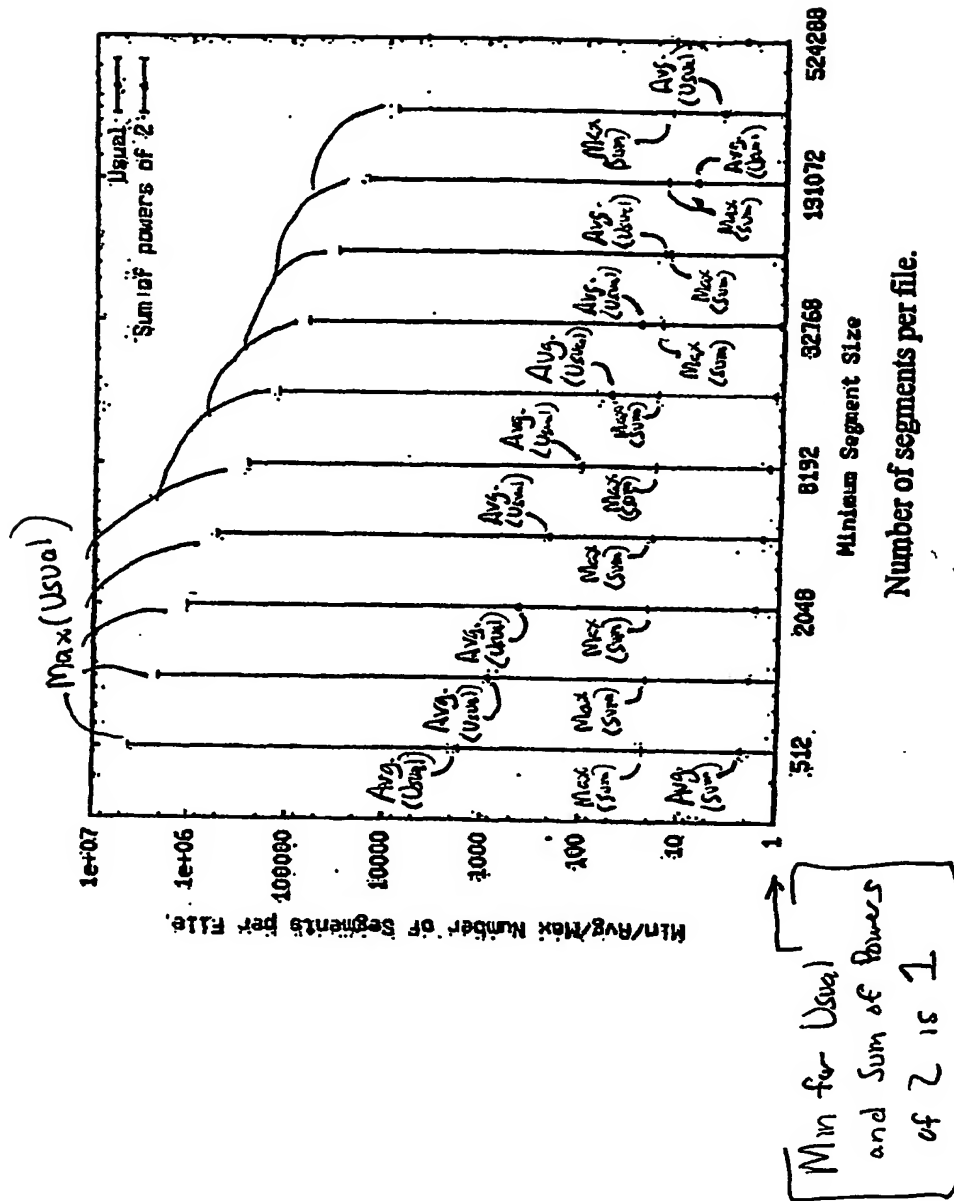


Figure 50

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